

STIC Search Report Biotech-Chem Library

STIC Database Tracking Number: 19496

TO: Patricia Duffy

Location: rem/3B05/3C18

Art Unit: 1645

Tuesday, July 11, 2006

Case Serial Number: 10/077137

From: Dwayne Hill

Location: Biotech-Chem Library

REM-1A64

Phone: (571) 272-8972

Dwayne.hill@uspto.gov

Search Notes

Examiner Duffy,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Dwayne Hill Technical Information Specialist STIC Biotech/Chem Library (571) 272-8972



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From:

Duffy, Patricia

Sent:

Saturday, July 08, 2006 3:38 PM

To: Subject: STIC-Biotech/ChemLib SEQUENCE SEARCH

Importance:

High

in re: 10/077,137

PLEASE SEARCH:

residues 1-51 of SEQ ID NO:1 and residues 8-41 of SEQ ID NO:1 Please print out top 100 hits in each category.

Patricia A. Duffy, Ph.D.
Primary Patent Examiner
571-272-0855,
Remsen 3B05,
Mailbox: 3C18

Searcher Phone:
Date Searcher Picked up:
Date completed:
Searcher Prep Time:
Online Time:

Type of Search

NA#_____ AA#:____

S/L:____ Oligomer:____

Encode/Transl:____

Structure #:____ Text:___

Inventor:_____ Litigation:___

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Sequence 2, Appli Sequence 2, Appli Sequence 4, Appli Sequence 6929, Appli Sequence 5949, Appli Sequence 58, Appli Sequence 58, Appli Sequence 994, Appli Sequence 994, Appli Sequence 994, Appli Sequence 1959, Appli Sequence 182, Appli Sequence 3, Appli		· - cc cc cc cc cc
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      Sequence 6, Application US/09854864
Patent No. 6774106
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
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Patent No. 6774106
GENERAL INFORMATION:
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Best Local Similarity
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APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patentin version 3.1
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TYPE: PRT
ORGANISM: Homo sapiens
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US-08-537-210A-1
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Pred. No. 3.3e-17;
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RESULT 4
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LENGTH: 51
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LENGTH: 58
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PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
TITLE OF INVENTION NUMBER: US/09/854,864
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
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Pred. No. 4.9e-17;
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Pred. No. 5.5e-17;
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US-09-854-864-13
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SEQ ID NO 5
LENGTH: 181
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SEQ ID NO 13
LENGTH: 81
                                                                                                                   SOFTWARE:
SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION: APPLICANT: Shu, Ho
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APPLICANT: THEILL, LA
APPLICANT: YU, GANG
    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 11,
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                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/565,423
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/132,892
PRIOR APPLICATION NUMBER: 60/132,892
                                                                                                                                                                                                                                                                                                                                                                                               Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No. 6774106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, TITLE OF INVENTION: BLYS/AGP-3, AND TACI
                                                                                                                                                            NUMBER OF SEQ ID NOS:
                                                                                                                                                                               PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                               APPLICANT: Shu, Hong-Bing
TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES,
TITLE OF INVENTION: METHODS OF USE THEREOF
                                                                                                                                                                                                                                                                                                 FILE REFERENCE:
                                                             ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                   ENGTH: 184
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nes 34; Conserv
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                                                                                                                                        PatentIn Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 201; DB 2; ilarity 100.0%; Pred. No. 1.7e-16; Conservative 0; Mismatches 0;
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    100.0%;
    Score 201;
    BB
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Length 184;
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; ORGANISM: Human
US-09-949-016-11115
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                                                                  Query Match 100.0%; Score 201; DB 2; Best Local Similarity 100.0%; Pred. No. 2.6e-16; O; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 9, Application US/09854864
Patent No. 6774106
GENERAL INFORMATION:
                                                                                                                                                                                                                    SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 11115
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Matches 34; Conserv
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Patent No. 6812339
                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
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CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
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FILE REFERENCE: A-686B
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                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: THEILL, LI
APPLICANT: YU, GANG
                                                                                                                                                                                               ENGTH: 283
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                          CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 38
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hes 0;
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OF DETECTION AND USES THEREOF
                                                                                                   Length 283;
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; SEQ ID NO 11
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Murine
US-09-854-864-11
                                                                          RESULT 11
US-09-854-864-10
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US-09-854-864-11
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; ORGANISM: Mus musculus
US-09-565-423-17
              Sequence 10, Application US/09854864
Patent No. 6774106
GENERAL INFORMATION:
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APPLICANT: Shu, Hong-Bing
TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES,
TITLE OF INVENTION: METHODS OF USE THEREOF
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Sequence 17, Application US/09565423
Patent No. 6475987
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APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 11, Application US/09854864 Patent No. 6774106
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SEQ ID NO 17
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Best Local Similarity
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                                                                                                                                                                                                                                       Matches
APPLICANT: THEILL,
                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
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CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/132,892
PRIOR FILING DATE: 1999-05-06
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, TITLE OF INVENTION: BLYS/AGP-3, AND TACI
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70.6%;
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70.6%;
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Pred. No. 8.4e-09;
Pred. No. 8.4e-09;
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Pred. No. 8.4e-09;
2; Mismatches 6;
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GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF
ITTLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR PLICING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
PRIOR FILING DATE: 2000-06-27
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                                                                                                                                                                                                                                      US-09-854-864-20
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                                                                                                                                                                        GENERAL INFORMATION:
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                                                                                                                                                                                          Sequence 20, Application US/09854864 Patent No. 6774106
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Best Local
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Best Local
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-6868
CURRENT EPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
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TITLE OF INVENTION: METHODS AND COMPOSITIONS
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: A-686B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ENGTH: 117
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                                                                                                                                                                                                                                                                                                                                                 2 SQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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                                                                                                                                                                                                                                                                                                                        2 AQCEYFDSLLHAC-PC-LRCS----PPTCQ-YC 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CFHSEYFDSLLHACKPCHLRCSN--PPATCQPYC 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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70.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                              46.5%;
69.7%;
                                                                                                                                                                                                                                                                                                                                                                                                      Score 93.5; DB 2;
Pred. No. 0.00057;
1; Mismatches 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 136; DB 2;
Pred. No. 1.3e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 281;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 117;
                                                                                                                                                                                                                                                                                                                                                                                                             4
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RESULT 15
US-08-810-572A-6
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-864-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-854-864-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 6, Application US/08810572A Patent No. 5969102
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 16
LENGTH: 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn version 3.1 SEQ ID NO 20
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Best Local Similarity
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-6868
CURRENT PEPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
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PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION: APPLICANT: Bram,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                            NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
CORRES
                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: A LYMPH TITLE OF INVENTION: CAML, NITTLE OF INVENTION: THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
OMPUTER READABLE FORM
                                                                                                                                      STREET: Floor
CITY: Hackensack
                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16, 25,
10, 6774106
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 33
                                                                                                           New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/09854864
                                                                        USA
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ilarity 32.4%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               von Bulow, Gotz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Richard J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 33.1%;
                                                                                                                                                                                                                                                                                                                                                                                                      A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS OF CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 66.5; DB Pred. No. 0.52;
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RESULT 16
US-09-290-333-6
; Sequence 6, Application US/09290333
; Patent No. 6316222
; GENERAL INFORMATION:
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Best Local Similarity
Matches 11; Conserv
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TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO:
INFORMATION FOR SEQ ID NO: 6:
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: P
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ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: US
FILING DATE: 28-FEB-19
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                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/290,333

FILING DATE: 12-Apr-1999

CLASSIFICATION: «Unknown»
ATTORNEY/ACENT INFORMATION:

NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742

REFERENCE/DOCKET NUMBER: 1340-1-007 PCT
TELECOMMUNICATION INFORMATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SECULIAL PROPERTY OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VON BULOW, GOTZ
TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Bram, Richard J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
                                   TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
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Pred. No. 1.3;
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US-09-782-857A-6
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                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 6
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Vers
CURRENT APPLICATION DATA:
APPLICATION UNUMBER: US/09/782,857A
FILING DATE: 14-Feb-2001
CLASSIFICATION: CURKnown>
PRIOR APPLICATION DATA:
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TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 08/810,572
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-1-007
TELECOMMUNICATION INFORMATION:
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TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF USE
                                                    FRAGMENT TYPE: N-terminal ORIGINAL SOURCE:
                                                                                       TOPOLOGY: linear MOLECULE TYPE: peptide HYPOTHETICAL: NO
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                  SEQUENCE DESCRIPTION: SEQ ID NO: 6:
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STATE: New Jersey
                                                                                                                                                                      TYPE: amino acids
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                                                                                                                                                   STRANDEDNESS: single
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                                    ORGANISM:
                                                                                                                                                                                                                                                   TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
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                                    Homo sapiens
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Pred. No. 1.3;
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RESULT 19
US-08-810-572A-2
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Patent No. 5969102
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Best Local Similarity
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR PILING DATE: 2000-05-12
PRIOR PILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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                 APPLICATION NUMBER: US/0
FILING DATE: 28-FEB-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
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ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
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Jackson Esq., David A.
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VENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
VENTION: CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF USE
VENTION: THEREOF
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32.4%;
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Pred. No. 1.3;
8; Mismatches
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Pred. No. 1
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Patent No. 6316222
GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 2:
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                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
HYPOTHETICAL:
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REFERENCE/DOCKET NUMBER: 13-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ver
CURRENT APPLICATION NUMBER: US/09/290,333
FILING DATE: 12-Apr-199
CLASSIFICATION: CURROWN>
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                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: JACKSON ESQ., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-1-007 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEPHONE: 201-487-5800
TELEPAC: 201-343-1684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Bram, Richard J.

von Bulow, Gotz

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF USE

THEREOF
               FRAGMENT TYPE: N-terminal ORIGINAL SOURCE:
                                                      HYPOTHETICAL: NO
                                                                      TOPOLOGY: linear MOLECULE TYPE: protei
                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Hackensack
STATE: New Jersey
                                                                                                       TYPE: amino acid
STRANDEDNESS: single
ORGANISM: Homo sapiens
                                                                                                                                            LENGTH: 293 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 07601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     293 amino acids
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ilarity 32.4%;
Conservative
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US-09-782-857A-2
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                                                                                                                                                           US-09-782-857A-2
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Best Local Similarity 32.4%;
Matches 11; Conservative
                                                                             Matches
                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 201-487-5800
TELEPAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/810,572
AITING DATE: <UNKNOWN>
AITORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-1-007
TELECOMMUNICATION INFORMATION:
                                                                           y Match 33.1%; Score 66.5; DB 2; Local Similarity 32.4%; Pred. No. 2.2; nes 11; Conservative 8; Mismatches 14;
                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
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APPLICANT: Bram, Richard J.

von Bulow, Gotz

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                           SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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MEDIUM TYPE: Floppy disk
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                                     1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: New Jersey COUNTRY: USA
                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: single
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Pred. No. 2.
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-879-919-22
                                                                                                                                                     ; LENGTH: 293
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-848-295-4
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US-09-879-919-22
                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Human Tumor Necrosis Factor TR20 and Methods Based
TITLE OF INVENTION: Thereon
                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                 SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
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APPLICANT: Yu, Guo-Liang, et al.
TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4, Applic
Patent No. 6623941
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                                                                                                                                                                                                                                                                    FILE REFERENCE: PF527
CURRENT APPLICATION NUMBER: US/09/848,295
CURRENT FILING DATE: 2001-05-04
PRIOR APPLICATION NUMBER: 60/202,193
PRIOR FILING DATE: 2000-05-05
NUMBER OF SEQ ID NOS: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/254,875
PRIOR FILING DATE: 2000-12-13
PRIOR APPLICATION NUMBER: 60/241,952
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/211,537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,978
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CURRENT APPLICATION NUMBER: US/09/879,919
CURRENT FILING DATE: 2001-06-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 2000-06-15
APPLICATION NUMBER: 08/
FILING DATE: 1997-03-12
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                                    CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
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                                                                              Conservative
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                                                                         Score 66.5; DE Pred. No. 2.2; B; Mismatches
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US-09-854-864-14
RESULT 26
                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: PF524P1
CURRENT APPLICATION NUMBER: US/09/961,376
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: 60/254,874
PRIOR FILING DATE: 2000-12-13
PRIOR APPLICATION NUMBER: 60/235,991
PRIOR APPLICATION NUMBER: 09/235,991
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: 09/533,822
PRIOR APPLICATION NUMBER: 09/533,822
PRIOR FILING DATE: 2000-03-24
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: 60/188,208
PRIOR FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 7
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CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT APPLICATION NUMBER: US 60/204,864
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                       SEQ ID NO 2
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Patent No. 6//._
This patent INFORMATION:
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                                                                                                                                Matches
                                                                                                                                                                      Query Match
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Ruben et al. TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR17
                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
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                                                      34 CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
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                                                                                            1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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                                                                                                                                                    Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                    Conservative
                                                                                                                                                  33.1%;
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                                                                                                                                Score 66.5; DI
Pred. No. 2.2;
8; Mismatches
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Pred. No. 2
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                                                                                                                                                                      DB 2;
                                                                                                                                  14;
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                                                                                                                                                                    Length 293;
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US-09-854-864-18 ; Sequence 18, Application US/09854864 ; Patent No. 6774106

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RESULT 28
US-10-104-047-2804
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CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
Sequence 2804, Application US/10104047
PATENT NO. 6943241
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NO. 6943241e1 full length cDNA
FILE REFERENCE: H1-A0105
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT FILING DATE: 2002-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9626
LENCTH: 1106
TYPE: PRT
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SEQ ID NO 18
LENGTH: 397
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FILE REFERENCE: A -686E CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-27
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-27
NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER: OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: CL001307
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APPLICANT: YU, GANG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Human
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mes 11; Conserv
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                                                                                                                                                                                                                                                                                                                     CSQNEYFDSLLHACIPCQLRC-----SSNTPPL-----TCQRYC 34
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28.0%;
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Pred. No. 2.9;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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OF DETECTION
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; PRIOR APPLICATION NUMBER:
 PRIOR FILING DATE:
 NUMBER OF SEQ ID NOS: 4096
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2804
 LENGTH: 581
 TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens US-10-104-047-2834
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Patent No. 5851817
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2834
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Best Local Similarity
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CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: HELIX RESEARCH INSTITUTE TITLE OF INVENTION: NO. 6943241el fi FILE REFERENCE: H1-A0105
                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 880
TYPE: PRT
                                                                COMPUTER READABLE FORM:
MEDLUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
                               SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                         TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                       COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                          STATE:
                                                                                                                                                                                                       STREET:
                    APPLICATION NUMBER:
                                                                                                                                                                                                       ADDRESSEE: Arnold, White & Durkee STREET: P. O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match 29.6%;
Local Similarity 28.9%;
les 11; Conservative
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                                                                                                                                                                                          Houston
                                                                                                                                                                                                                                                                                                                                                                                   Application US/08276967
                                                                                                                                                                        Texas
                                                                                                                                                                                                                                                                                                              Garbers, David L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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Submitted Herewith
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29.6%;
                                                                                                                                                                                                                                                                               Sperm
                                                                                                                                                                                                                                                                                               Species-Specific Egg-Binding Proteins of
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                  US/08/276,967
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Pred. No. 43;
5; Mismatches
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Pred. No. 29;
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CURRENT APPLICATION NUMBER: US/10/094,749
CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: 60/350,435
PRIOR FILING DATE: 2002-01-24
PRIOR APPLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3381
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2652
LENGTH: 955
TYPE: PRT
ORGANISM: Homo sapiens
US-10-094-749-2652
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                                                      unery Match 27.6%;
Best Local Similarity 37.5%;
Matches 12; Conservative
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Patent No. 6979557
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                        APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
FILE REFERENCE: 084335/0160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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APPLICANT: SUGIYA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: UTSD:418\KIT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713-787-1400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
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ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TBLEFAX: /1-
TELEFAX: /1-
79-0924
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TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 713-72
TELEPHONE: 713-789-2679
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639 NETFPSVLDPCLSCICLLGSVACSPVDCPITC 670
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NAGAI, KEIICHI
IRIE, RYOTARO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUGIYAMA, TOMOYASU
OTSUKI, TETSUJI
WAKAMATSU, AI
SATO, HIROYUKI
                                NEYFDSLLHACIPC----QLRCSSNTPPLTC 30
                                                                                                                                                                                                                                                                                                                                                                                                          SEKI, NAOHIKO
YOSHIKAWA, TSUTOMU
OTSUKA, MOTOYUKI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        YAMAMOTO, JUN-ICHI
ISONO, YUUKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ISHII, SHIZUKO
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nilarity 31.6%;
Conservative
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linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          ICHIRO
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                                                             Score 55.5; DB 2;
Pred. No. 1.4e+02;
4; Mismatches 11
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Pred. No. 3e+02
8; Mismatches
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                                                                                             DB 2;
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RESULT 33
US-09-621-976-6330
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US-10-094-749-2573
                                                                      ; ORGANISM: Homo sapiens US-09-621-976-6330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: NAGAHARI, KENJI
APPLICANT: NASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
FILE REFERENCE: 084335/0160
CURRENT APPLICATION NUMBER: US/10/094,749
CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: 60/350,435
PRIOR FILING DATE: 2002-01-24
PRIOR APPLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3381
                                                                                                                                  APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
TITLE REFERENCE: GENSET: 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 6330
                                                                                                                                                                                                                                                                                                  Sequence 6330, Application US/09621976 Patent No. 6639063 GENERAL INFORMATION:
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SEQ ID NO 2573
LENGTH: 824
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Query Match 26.9%;
Best Local Similarity 38.1%;
Matches 8; Conservative
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APPLICANT:
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                                                                                                     LENGTH: 98
TYPE: PRT
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13; Conserv
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NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHIRO
SEKI, NAOHIKO
YOSHIKAMA, TSUTOMU
OTSUKA, MOTOYUKI
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SUGIYAMA, 10...
TETSUJI
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YURI
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ilarity 38.2%;
Conservative
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   Score 54; DB Pred. No. 23; 4; Mismatches
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Pred. No. 1.4e+02;
5; Mismatches 14
                                     DB 2;
                                     Length 98;
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     9; Indels
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US-09-252-991A-25721
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US-09-471-276-1590
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SEQ ID NO 25721
LENGTH: 431
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Best Local Similarity
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                                                                                                                                      Query Match
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FILE REFERENCE: GENSET.025CP1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Dumas Milne Edwards, J.B
APPLICANT: Duclert A.
APPLICANT: Giordano, J.Y.
                                                                                                                                                                                                                                                                              PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/471,276
CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBER: 09/057,719
EARLIER FILING DATE: 1998-04-09
                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patent.pm
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EARLIER FILING DATE: 1998-04-28
EARLIER APPLICATION NUMBER: PCT/IB99/00712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EARLIER APPLICATION NUMBER: 09/069,047
                                                                                                                                                                                                                TYPE: PRT
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                                                                                                                                                                                          ORGANISM: Pseudomonas aeruginosa
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                                                                                                                       Local Similarity
                                  242
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                                  AC--CRARCSNAWPPTACRR 259
                                                                ACIPCOLRCSSNTPPLTCQR 32
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38.1%;
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Pred. No.
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Pred. No.
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                                                                                                       Mismatches
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                                                                                                                           96;
                                                                                                                                        DB 2;
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                                                                                                                                        Length 431;
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                                                                  ; MOLECULE TYPE: US-08-718-388-9
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US-09-257-580-2
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APPLICANT: Yorkshire Cancer Research
TITLE OF INVENTION: Tumour Suppressor Gene
Query Match
Best Local Similarity
Matches 12; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILE REFERENCE: Canine p53
CURRENT APPLICATION NUMBER: US/09/257,580
CURRENT FILING DATE: 1999-02-25
PRIOR APPLICATION NUMBER: 9804178.3
PRIOR FILING DATE: 1998-02-28
                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATENTIN Release #1.0, V.

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/718,388
                                                                                                                                                       TELEFAX: (703) 205-805
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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ORGANISM: Canis
                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 02
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: MORIKAWA, MIN
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE
TITLE OF INVENTION: PROT
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                                                                                                       TOPOLOGY:
                                                                                                                             TYPE:
                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                              TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: FALLS CHURCH
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                                                                                                                                          ENGTH:
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                                                                                                                                          5405 amino acids
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205-8050
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                  26.6%;
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                                                                                                                                                                                                                                                              28,977
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   5; Mismatches
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                    Score 53.5;
Pred. No. 1
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Length 5405; Indels

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Gaps

2;

DB 2;

Length 381;

Indels

1;

Gaps

1;

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2733 CPQNSHYE----LCADTCSLGCSALSAPLQCPDGC 2763

CSQNEYFDSLLHACI-PCQLRCSSNTPPLTCQRYC 34

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RESULT 40
US-09-950-933A-65
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US-09-848-295-2
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                                                                                                                                                                                                                                                                             ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-848-295-2
                                                                                                                                                                                                                                                                                                                                               GREERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Baker, Kevin
APPLICANT: Ruben, Steven M.
APPLICANT: Ruben, Steven M.
APPLICANT: Ruben, Steven M.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Human Tumor Necrosis Factor TR20 and Methods Based
TITLE OF INVENTION: Thereon
FILE REFERENCE: PF527
CURRENT APPLICATION NUMBER: US/09/848,295
CURRENT APPLICATION NUMBER: 60/202,193
PRIOR APPLICATION NUMBER: 60/202,193
PRIOR FILING DATE: 2000-05-05
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Antimicrobial Peptides and Methods of TITLE OF INVENTION: Use FILE REFERENCE: 35718/238472 CURRENT APPLICATION NUMBER: US/09/950,933A CURRENT FILING DATE: 2001-09-11 PRIOR APPLICATION NUMBER: 60/232,569 PRIOR APPLICATION NUMBER: 60/232,569 PRIOR FILING DATE: 2000-09-13 NUMBER OF SEQ ID NOS: 99

SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 61
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 61, Application US/09950933A Patent No. 6875907
                 Sequence 65, Application US/09950933A Patent No. 6875907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Applic Patent No. 6623941
                                                                                                                                                                                                      Query Match 26.1%;
Best Local Similarity 29.4%;
Matches 10; Conservative
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Simmons, Carl R. APPLICANT: Navarro, Pedro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 108
                                                                                                                                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity nes 8; Conserv
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                                                                                                                                                                                                                                                                                                                                      142
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                                                                                                                                CPEEQYWAALLGTCMFCKAICNHQS-QRTCAASC
                                                                                                                                                                   CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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Pred. No.
                                                                                                                                                                                                                         Score 52.5;
Pred. No. 49;
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RESULT 42 US-09-877-730-24

GENERAL INFORMATION:
APPLICANT: Walke, D. Wade

APPLICANT: APPLICANT: APPLICANT:

Abuin, Alejandro Zambrowicz, Brian Sands, Arthur T.

APPLICANT:

Scoville, John Turner, C. Alexander Jr. Friedrich, Glenn

APPLICANT:

Sequence 24, Appli Patent No. 6465632

Application US/09877730

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; TYPE: PRT
; ORGANISM: Glycine max
US-09-950-933A-65
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                                                                                                                                                                       ; TYPE: PRT; ORGANISM: homo sapiens US-09-877-730-26
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                                                                                                                                                                                                                                                             SEQ ID NO 26
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Best Local Similarity 44.4%;
Matches 8; Conservative
                                                                                     Matches
                                                                                                         Query Match 25.9%;
Best Local Similarity 33.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent No.
                                                                                                                                                                                                                                                                          APPLICANT: Sands, Arthur T.

TITLE OF INVENTION: No. 6455632el Human Phosphatases and Polynucleotides Encoding the FILE REFERENCE: LEX-0189-USA
CURRENT APPLICATION NUMBER: US/09/877,730
CURRENT FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/210,607
PRIOR PELING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 31
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Simmons, Carl R.
APPLICANT: Navarro, Pedro
TITLE OF INVENTION: Antimicrobial Peptides and Methods of
TITLE OF INVENTION: Use
TITLE OF INVENTION: Use
TILE REFERENCE: 35718/238472
CURRENT APPLICATION NUMBER: US/09/950,933A
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: 60/232,569
PRIOR FILING DATE: 2000-09-13
NUMBER OF SEQ ID NOS: 99
NUMBER OF SEQ ID NOS: 99
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APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
APPLICANT: Friedrich, Glenn
APPLICANT: Abuin, Alejandro
APPLICANT: Zambrowicz, Brian
                                                                                                                                                                                                                                      ENGTH: 547
503 NSFIDAKVLSCGICCISRSSIPPPCVCKMY 532
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                                        4 NEYFDSLLHACIPCQLRCSSNTPPLTCQRY 33
                                                                                       10; Conservative
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                                                                                       6; Mismatches
                                                                                                           Score 52; DB 2;
Pred. No. 2.1e+02;
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Pred. No. 46;
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                                                                                                                               Length 547
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APPLICANT: Walke, D. Wade
APPLICANT: Walke, D. Wade
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
APPLICANT: Friedrich, Glenn
APPLICANT: Abuin, Alejandro
APPLICANT: Zambrowicz, Brian
                                                                                                                                                                                                                           RESULT 44
US-09-877-730-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: homo sapiens
US-09-877-730-22
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US-09-877-730-22
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                                                                                                                                                                                          Sequence 16, Application US/09877730 Patent No. 6465632
                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
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SEQ ID NO 22
LENGTH: 712
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CURRENT FILLING DATE: 2001-66-08
PRIOR APPLICATION NUMBER: US 60/210,607
PRIOR FILING DATE: 2000-06-09
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CURRENT FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/210,607
PRIOR FILING DATE: 2000-06-09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Zambrowicz, Brian
APPLICANT: Sands, Arthur T.
TITLE OF INVENTION: No. 6445632el Human Phosphatases and Polynucleotides Encoding the
FILE REFERENCE: LEX-0189-USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Walke, D. Wade APPLICANT: Scoville, John
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                NPPLICANT: Sands, Arthur T.
TITLE OF INVENTION: No. 6465632el Human Phosphatases
TILE REFERENCE: LEX-0189-USA
CURRENT APPLICATION NUMBER: US/09/877,730
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                                                                                                                                                                                                                                                                                                    NSFIDAKVLSCGICCISRSSIPPPCVCKMY 697
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Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                          Score 52; I
Pred. No. 2
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2.7e+02;
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                               and Polynucleotides
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; TYPE: PRT; ORGANISM: homo sapiens US-09-877-730-6
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Best Local S
Matches 10
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 16
                                                                                                                                                                                                                                        GENERAL INFORMATION:
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                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Zambrowicz, Brian
APPLICANT: Sands, Arthur T.
TITLE OF INVENTION: No. 6465632el Human Phosphatases and Polynucleotides Encoding
FILE REFERENCE: LEX-0189-USA
CURRENT APPLICATION NUMBER: US/09/877,730
CURRENT FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/210,607
PRIOR APPLICATION NUMBER: US 60/210,607
PRIOR FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 31
SOFTWARE: FastSEQ for Windows Version 4.0
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PRIOR APPLICATION NUMBER: US 60/210,607
PRIOR FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 31
          APPLICANT: Sands, Arthur T.
TITLE OF INVENTION: No. 6465632el Human Phosphatases and Polynucleotides Encoding the FILE REFERENCE: LEX-0189-USA
CURRENT APPLICATION NUMBER: US/09/877,730
CURRENT FILING DATE: 2001-06-08
CURRENT FILING DATE: 2001-06-08
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                                                                                                                                                           APPLICANT: Walke, D. Wade
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
APPLICANT: Friedrich, Glenn
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APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
APPLICANT: Friedrich, Glenn
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APPLICATION NUMBER: US 60/210,607
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10; Conserv
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                                                                                                                  Zambrowicz, Brian
                                                                                                                                     Abuin, Alejandro
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33.3%;
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33.3%;
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Pred. No. 3.1e+02
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Pred. No. 3.4e+02;
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; NUMBER OF SEQ ID NOS: 31
SOFTWARE: FastSEQ for Windows Version 4.0;
SEQ ID NO 12;
LENGTH: 991
TYPE: PRT
GRGANISM: homo sapiens
US-09-877-730-12
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                                                                                                                                                                                                                                                                                                                              RESULT 48
US-08-117-080-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; LENGTH: 1069
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-877-730-2
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Best Local Similarity
                                                                                                                                                                                                                                                                                               Sequence 12, Application US/08117080 Patent No. 5482928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Walke, I
APPLICANT: Scovill
APPLICANT: Turner,
APPLICANT: Friedri
APPLICANT: Abuin,
APPLICANT: Abuin,
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                                                                                                                                                                                                                                                                                             Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/877,730
CURRENT FILING DATE: 2001-66-08
PRIOR APPLICATION NUMBER: US 60/210,607
PRIOR FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 31
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sands, Arthur T.
TITLE OF INVENTION: No. 6465632el Human Phosphatases and Polynucleotides Encoding the FILE REFERENCE: LEX-0189-USA
                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
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APPLICANT:
                                                                                                                                                APPLICANT: REES, SARAH B
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 13
                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
COMPUTER READABLE FORM:
                                                                                                                                                                                                          APPLICANT:
                                                               STREET: 1100 NEW YORK AVENUE,
STREET: TOWER
CITY: WASHINGTON
                         COUNTRY:
                                                STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 25.9%;
Local Similarity 33.3%;
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                   20005-3918
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Turner, C. Alexander Jr.
Friedrich, Glenn
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                                  USA
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BROEKAERT, WILLEM F
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VANDERLEYDEN, JOZEF
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Pred. No. 3
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                                                                                                   NW; NINTH FLOOR,
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3.7e+02;
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US-08-117-080-12
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US-08-471-329-12
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Best Local Similarity
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TELEPAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMAPPLICANT:
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APPLICATION NUMBER: PCT/GB
FILING DATE: 10-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 910
FILING DATE: 11-MAR-1991
PRIOR APPLICATION DATA:
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ORIGINAL SOURCE:
ORGANISM: FIGU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/117,080
FILING DATE:
                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
         CLASSIFICATION: 800
PRIOR APPLICATION DATA:
US 08/117,080
                                                                                                     SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: REES, S. TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
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                                                                    APPLICATION NUMBER: US/08/471,329 FILING DATE: 02-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 63 amino acids
TYPE: amino acid
STRANDEDNESS: single
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                                                                                                                                                                                                              COUNTRY: USA
ZIP: 20005-3918
                                                                                                                                                                                                                                               STATE: D.C
                                                                                                                                                                                                                                                                CITY: WASHINGTON
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APPLICATION NUMBER: FILING DATE: 20-DE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24 MIEACIGNGGRCNENVGPPYCCSGFC 49
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                                                                                                                                                                                                                                                                                    1100 NEW YORK AVENUE, NW; NINTH FLOOR, EAST TOWER
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CAMMUE, BRUNO PA
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 20-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                          SARAH B
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                                                                                                                                                                                                                                                                                                                                                                         BIOCIDAL PROTEINS
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Pred. No. 29;
                                                                                                                         Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
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RESULT 50
US-08-915-142-12
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TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 12:
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ORIGINAL SOURCE:
                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/C
FILING DATE: 10-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 91
                                                          FILING DATE: 10-MAR-1992 PRIOR APPLICATION DATA:
                                                                                     APPLICATION NUMBER: US 08/
FILING DATE: 02-UN-1995
APPLICATION NUMBER: US 08/
FILING DATE: 20-DEC-1993
APPLICATION NUMBER: PCT/GE
                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ITLE OF INVENTION: BIOCIDAL PROTEINS
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TYPE: amino acid
STRANDEDNESS: single
                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                         CITY: WASHINGTON
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                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
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                             11-MAR-1991
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                                                                                                                                                     US 08/471,329
                                                                                          PCT/GB92/00423
                                              GB 9105052.6
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                                                                                                                       US 08/117,080
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GB 9105684.6
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Pred. No. 29;
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RESULT 51
US-08-465-380-4
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                                                                                     TELEX: 67-3510 INFORMATION FOR SEQ ID NO:
                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,1:
PILING DATE: October 18, 199-
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213,
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (202) 822-09-
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 19-MAR-1991
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861 3000
                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/465,380 FILING DATE: June 5, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 63 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                          TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: FIGURE 7 AMINO ACID SEQUENCE MJ-AMP2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                 IYPE: amino acid
IOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10 LLHACIPCOLRCSSNT-PPLTCORYC 34
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633 West Fifth Street
                                               77 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  George P. Vlasuk, Patric H. Stanssens,
Joris H.L. Mensens, Marc J. Lauwereys,
Yves R. Laroche, Laurent S. Jespers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Yves R. Laroche, Laurent S. Jespers, Yannick G.J. Gansemans, Matthew Moyle,
                                                                                                                                                                                                                                                                                                                                                                                  Word Perfect 5.1
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                                                                                                                                                                                                                                                                                                                                                                                                                    IBM Compatible
peptide
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                                                                                                                                                                                 213/268
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ORIGINAL SOURCE:

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                                                                                  Matches
                                                                                                Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                  TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                MOLECULE TYPE:
ORIGINAL SOURCE:
ORGANISM: And
                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C.
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS: LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: George P. Vlasuk, Patric H. Stanssens, APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys, APPLICANT: Yves R. Laroche, Laurent S. Jespers, APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT TITLE OF INVENTION: PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
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                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/465,380 FILING DATE: June 5, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             40, Application US/08465380
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12; Conserv
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                                                                                                                                                                                                                                 amino acid
                                               CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 42
               CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 42
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633 West Fifth Street
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                                                                                                                                                                                                                                                                                                                     (213) 955-0440
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                                                                                                                                                                Ancyclostoma caninum
                                                                                                                                                                                                                   linear
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29.3%;
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ER: 21
                                                                              Score 51.5; DI
Pred. No. 36;
6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                    213/268
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Pred. No. 36;
6; Mismatches
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                                                                                                               Length 77;
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                                                                                                                                                                RESULT 54
US-08-486-397-4
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US-08-480-478-33
                                                                                                                                 Sequence 4, Application US/08486397 Patent No. 5866542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No. 5864009
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (213) 955-044
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
            APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys, APPLICANT: Yves R. Laroche, Laurent S. Jespers, APPLICANT: Yannick G.J. Gansemans, Matthew Moyle, APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 18 OCTOBER 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                              APPLICANT: George P. Vlasuk, Patric H. Stanssens,
                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ Version 1.5 CURRENT APPLICATION DATA:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                          EQUEST:

TYPE: amino acid

TYPE: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                     Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Los Angeles
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                                                                                                                                                                                                                                                                                                    12; Conservative
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                                                                                                                                                                                                                                                                                                                   Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                  77 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3: Lyon & Lyon
633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HUGO STANSSENS; JORIS HILDA
LIEVEN MESSENS; MARC JOZEF
LAUWEREYS; YVES RENE LAROCHE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LAURENT STEPHANE JESPERS; and YANNICK GEORGES JOZEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GEORGE P. VLASUK; PATRICK ERIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IBM Compatible
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                                                                                                                                                                                                                                                                                                                   25.6%;
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3
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                                                                                                                                                                                                                                                                                                                     Score 51.5;
Pred. No. 36;
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                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                       77;
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                                                                                                                                                                                                                                                                                                    Gaps
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street

STREET: 633 west ...
STREET: Suite 4700
CITY: Los Angeles

California

TUMBER OF SEQUENCES:

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RESULT 55
US-08-486-397-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 29.3
12; Conservative
                                                                                                                                                                                                                                                                                                                                                              Sequence 40, Application US/08486397 Patent No. 5866542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/269
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 67-3510 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide ORIGINAL SOURCE: ORGANISM: Ancyclostor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: WOR'D PERFECT 5.1 CURRENT APPLICATION DATA:
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                    APPLICANT: George P. Vlasuk, Patric H. APPLICANT: Joris H.I. Mensens, Marc J. APPLICANT: Yves R. Laroche, Laurent S. APPLICANT: Yannick G.J. Gansemans, Matt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/486,397
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
                                                                                                                                                                             NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                               APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
                                                                                                                        ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
TOPOLOGY: linear
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
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                                                                      COUNTRY:
                                                                                                        CITY: Los Angeles
                                                     9007
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                                                                                     California
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                                                                      U.S.A.
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Pred. No. 3
                    1.44
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                                                                                                                                                                                                                                                                                                                                Stanssens,
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US-08-486-397-40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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ORIGINAL SOURCE:
                                     APPLICATION NUMBER: US/08/486,
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
                                                                                                                                                                                                                                OPERATING SYSTEM: IBM P.C. SOFTMARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
APPLICATION OFFICE APPLICATI
                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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APPLICANT: Peter W.
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (213) (
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les 12; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           George P. Vlasuk, Patric H. Stanssens,
Joris H.L. Mensens, Marc J. Lauwereys,
Yves R. Larcoche, Laurent S. Jespers,
Yannick G.J. Gansemans, Matthew Moyle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                                                                                                                                                                                                                                                                            IBM Compatible
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29.3%; Pred. No. 36;
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US-08-486-399-4
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OPERATING SYSTEM: IBM P. C. D.
SORTWARE: WOO'D PRICE S. 1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/48
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
OPERATOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No. 5866543
GENERAL INFORMATION:
                         INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acid
TOROLOGY. linear
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                                                                                                                                                                                    APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/2'
                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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LENGTH: 77 amino acids
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REFERENCE/DOCKET NUMBER: 21.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
MOLECULE TYPE:
                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: George P. Vlasuk, Patric H. Stanssens, APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys, APPLICANT: Yves R. Laroche, Laurent S. Jespers, APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT TITLE OF INVENTION: PROTEIN
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STREET: Suite 4700
CITY: Los Angeles
STATE: California
                 TOPOLOGY:
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12; Conservative
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                                                                                                              67-3510
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633 West Fifth Street
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                                                                                                                             (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peter W. Bergum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           U.S.A.
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US-08-486-399-40
                                                                                          US-08-461-965-4
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                               Matches
                                             Query Match
Best Local
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Best Local Similarity
                                                                                                                                                                                                          TELEFAX: (213) 955-04
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                        CLASSIFICATION DATA:
PRIOR APPLICATION UNMBER: 08/326,110
PILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
ORGANISM: And
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MEDIUM TYPE: 3.5" Di
MEDIUM TYPE: storage
                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
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                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Word Perfect CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08 FILING DATE: June 5, 1995 CLASSIFICATION: 530
                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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                               l Similarity
12; Conserv
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                                                                                                                                                                amino acid
 CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              633 West Fifth Street
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Joris H.L. Mensens, Marc J. Lauwereys, Yves R. Laroche, Laurent S. Jespers, Yannick G.J. Gansemans, Matthew Moyle,
                                                                                                                                                                                                                                      (213) 955-0440
                               Conservative
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                                                                                                                                                  linear
                                                                                                      Ancyclostoma caninum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lyon & Lyon
                                                                                                                                peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3.5" Diskette, 1.44 Mb
                                           25.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NEMATODE-EXTRACTED ANTICOAGULANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROTEIN
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                                                                                                                                                                                                                                                                                             30,158
                             Score 51.5; D
Pred. No. 36;
6; Mismatches
                                                                                                                                                                                                                                                                                   210/243
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Pred. No. 36;
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                               12;
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                               Indels
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                                                            77;
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CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC

GANSEMANS

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US-08-326-110A-33
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                                                                                                                    Sequence 33, Application US/08326110A Patent No. 5945275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Disk
MEDIUM TYPE: storage
COMPUTER: IBM Compatib
OPERATING SYSTEM: IBM
                                                                                                       GENERAL INFORMATION:
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                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
ORIGINAL SOURCE:
ORGANISM: And
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION NUMBER: US/08/4
APPLICATION NUMBER: US/08/4
FILING DATE: June 5, 1995
                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: Suite 4700
CITY: Los Angeles
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: California
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5872098
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    77 amino acids
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YANNICK GEORGES JOZEF
                              GEORGE P. VLASUK; PATRICK ERIC
HUGO STANSSENS; JORIS HILDA
LIEVEN MESSENS; MARC JOZEF
LAUWEREYS; YVES RENE LAROCHE;
                                                                                                                                                                                                                                                                                               Conservative
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                  LAURENT STEPHANE JESPERS; and
                                                                                                                                                                                                                                                                                                                                                                                  Ancyclostoma caninum
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29.3%;
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                                                                                                                                                                                                                                                                                                             Score 51.5;
Pred. No. 36;
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                                                                                                                                                                                                                                                                                               Mismatches
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US-08-326-110A-33
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                                                                                                                                                                                                                                                                                                                                   Patent No.
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 208/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
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ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                     CORRESPONDENCE ADDRESS
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
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APPLICATION NUMBER: US
FILING DATE: 18 OCTOBE
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: GANSEMAN TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                        TITLE OF INVENTION:
                                                                                                                                                                           APPLICANT:
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                               STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: FastSEQ Version 1.5
                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12; Conservative
Los Angeles
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
GY: linear
                                                                                                                                          INVENTION:
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                                                 E: Lyon & Lyon
633 West Fifth Street
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                                                                                                                                                       Bergum, Peter W.
                                                                                                                                                                           Moyle, Matthew
                                                                                                                                                                                        Jespers, Laurent Stephane
Gansemans, Yannick Georges
                                                                                                                                                                                                                                                               Stanssens, Patrick Eric Hugo
Mensens, Joris Hilda Lieven
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18 OCTOBER 1994
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29.3%;
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COAGULANT PROTEIN
                                                                                                                      NEMATODE-EXTRACTED ANTICOAGULANT PROTEIN
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                                                                                                                                                                                                                                              Marc Josef
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Pred. No. 36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11;
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US-08-634-641-40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/634,641

PILING DATE: April 19, 1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/13231

FILING DATE: October 17, 1995

APPLICATION NUMBER: 08/486,399

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/486,397

APPLICATION NUMBER: 08/486,397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 219/13
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
                                                                                   NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                    APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATOD
TITLE OF INVENTION: PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acid
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Dit
MEDIUM TYPE: Storage
                                                                                                                                                              APPLICANT:
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                ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1
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APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 67-3510
California
                                                                                                                                                                                                                                                                    Vlasuk, George P. Vlasuk
Stanssens, Patrick Eric Hugo
Mensens, Joris Hilda Lieven
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                                                                                                                                                                               Moyle, Matthew
                                                                                                                                                                                                Gansemans, Yannick Georges Jozef
                                                                                                                                                                                                                 Jespers, Laurent
                                                                                                                                                                                                                                                     Lauwereys,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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SYSTEM: IBM P.C.
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                                                                                                                            PROTEIN
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                                                                                                                                           NEMATODE-EXTRACTED ANTICOAGULANT
                                                                                                                                                                                                                                      Yves Rene
                                                                                                                                                                                                                                                     Marc Josef
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Pred. No. 36;
                                                                                                                                                                                                                   Stephane
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                                                                                                                                                                                                                                                                                             Sequence 4,
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APPLICATION NUMBER: 08/326,110
AFILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
70,158
                                                                                                                                                                                                                                                  GENERAL INFORMATION: APPLICANT: Vlasuk,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (213) 955-04
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
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ORIGINAL SOURCE:
ORGANISM: Ancy
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APPLICANT:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
                              ADDRESSEE: Lyon & Ly
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APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: A PRIOR APPLICATION
                                                                            TITLE OF INVENTION: TITLE OF INVENTION:
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                                                             NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
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E: Lyon & Lyon
633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            77 amino acids
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                                                                                                                                       Gansemans, Yannick Georges
Moyle, Matthew
                                                                                                                                                                                    Laroche,
                                                                                                                                                                                                   Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
Lauwereys, Marc Josef
                                                                                                                       Bergum, Peter W.
                                                                                                                                                                    Jespers, Laurent Stephane
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                                                                              PROTEIN
                                                                                           NEMATODE-EXTRACTED SERINE PROTEASE INHIBITORS AND ANTICOAGULANT
                                                                                                                                                                                         Yves Rene
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Pred. No. 36;
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RESULT 64
US-09-249-471-40
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                                                                                                                               APPLICANT:
APPLICANT:
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APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
                                                                                                                                                                 APPLICANT:
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ORIGINAL SOURCE:
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MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                               APPLICANT: Moyle, N
APPLICANT: Bergum,
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
   TITLE OF INVENTION:
                                                                                                                 APPLICANT:
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                                                                                                  APPLICANT:
                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
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FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
TOPOLOGY: linear
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California
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                                                                                                                                                                                                                                Application US/09249471
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                                                                                                                                             Vlasuk, George Phillip
Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
                                                                                Gansemans, Yannick Georges Jozef
                                                                                              Laroche, Yves Ren
Jespers, Laurent
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Word Perfect 5.1
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                                                                                                                               Lauwereys, Marc Josef
                                                               Moyle, Matthew
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NEMATODE-EXTRACTED SERINE PROTEASE INHIBITORS AND ANTICOAGULANT PROTEIN
                                                                                                                 Yves Rene
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Pred. No. 36;
6; Mismatches
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                                                                                              Stephane
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RESULT 65
US-09-249-472-4
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US-09-249-471-40
                                                              GENERAL INFORMATION:
APPLICANT: Vlasuk,
APPLICANT: Stansse:
APPLICANT: Messens
APPLICANT: Lauwere:
                                                                                                                                                  Patent No.
                                                                                                                                                                 Sequence 4, Application US/09249472
                                                                                                                                                                                                                                                                                                                         Matches
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: October 18, ATTORNEY/AGENT INFORMATION: NAME: BIGGS, SUZANNE L. REGISTRATION NUMBER: 30,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA: US
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                                  APPLICANT:
                                                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM COMPACTURE OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1
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THE DATE: June 5, 1995
THE DATE: 08/486,397
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STATE: California
                                                                                                                                                                                                                                                                                                                         Local Similarity
les 12; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
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                                                                                                                                                                                                                                                                                       1 CSQNEYFDSLIHAC---IPCOLRCSSNTP----PLTCORYC 34
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633 West Fifth Street
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            Laroche, Yves Rene
Jespers, Laurent Stephane
Gansemans, Yannick Georges Jozef
                                                            Stanssens, Patrick Eric Hug
Messens, Joris Hilda Lieven
Lauwereys, Marc Josef
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Gansemans, Yan
Moyle, Matthew
                                                                                                                Vlasuk, George Phillip
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                                                                                                Patrick Eric Hugo
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RESULT 66
US-09-249-472-40
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                                                                      Sequence 40, Application US/09249472
Patent NO. 6046318
GENERAL INFORMATION:
APPLICANT: Vlasuk, George Philli
                                                                                                                                                                                                                                                                                               Matches
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INFORMATION FOR SEQ ID NO:
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FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5,1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5,1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5,1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5,1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5,1995
APPLICATION NUMBER: 08/326,110
FILING DATE: June 5,1995
APPLICATION NUMBER: 08/326,110
FILING DATE: June 5,1995
APPLICATION NUMBER: 08/326,110
FILING DATE: Occober 18, 1994
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                                                       APPLICANT:
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CURRENT APPLICATION DATA
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
   APPLICANT:
                                    APPLICANT:
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NAME: BIGGS, SUZANNE L.
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                    APPLICANT:
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STREET: 64700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                             Local Similarity 29.3
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Stanssens, Pätrick Eric Hugo
Messens, Joris Hilda Lieven
Lauwereys, Marc Josef
Laroche, Yves Rene
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                                                                        Vlasuk, George Phillip
                                                                                                                                                                                                                                                                                                                                                                                      Ancyclostoma caninum
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Pred. No. 36;
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RESULT 67
US-09-249-451-4
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Sequence 4, Application
Patent No. 6087487
GENERAL INFORMATION:
APPLICANT: Vlasuk, C
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
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APPLICATION NUMBER: 08
FILING DATE: April 17
APPLICATION NUMBER: PRILING DATE: October 1
                                                                                                                                                                                                                                                          MOLECULE TYPE: 1
ORIGINAL SOURCE:
ORGANISM: Ancy
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APPLICANT:
APPLICANT:
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ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
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TITLE OF INVENTION:
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MEDIUM TYPE: storage
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: IBM P.C. I
SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
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APPLICATION NUMBER: 5, 1995
TOTAL DATE: June 5, 1995
TOTAL DATE: 08/465,380
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TO DATE: June 5, 1995
TO DATE: 08/486,397
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STATE: California
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12; Conserv
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                                                                                                                                                                                     Conservative
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Moyle, Matthew
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UMBER: 08/326,110
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29.3%;
                                              US/09249451
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                                                                                                                                                                                                 Score 51.5;
Pred. No. 36;
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George Phillip

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Best Local Similarity
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OPERATING SYSTEM: THM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,451
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
APPLICATION NUMBER: 07/0595/13231
FILING DATE: OCCODER 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNBY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                    TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 4:
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ORIGINAL SOURCE:
ORGANISM: And
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APPLICANT:
APPLICANT:
APPLICANT:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
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                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: BIGGS, SUZANNE REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
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STREET: Suite 4700
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CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 42
                                   CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
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Messens, Joris Hilda Lieven
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                                                                                            Score 51.5;
Pred. No. 36;
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                                                                        Mismatches
                                                                                                             DB 2;
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                                                                                                             Length 77;
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RESULT 68 US-09-249-451-40

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                                                                          Matches
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Best Local Similarity
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Patent No. 6
                                                                                                                                                                                                                                                            TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
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ORIGINAL SOURCE:
ORGANISM: And
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APPLICANT:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: October 18,
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,1
                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
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STATE: California
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STREET: 633 West Fifth Street
STREET: Suite 4700
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FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
                                                                                                                                                                                                                     TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
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APPLICATION NUMBER: 08/326,110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08
FILING DATE: April 17,
APPLICATION NUMBER: PC
FILING DATE: October 1
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6087487
                                     CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
 CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 42
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                                                                        Conservative
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Messens, Joris Hilda Lieven
Lauwereys, Marc Josef
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Jespers, Laurent Stephane
                                                                                                                                                                  Ancyclostoma caninum
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                                                                                                                                                                                                   peptide
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                                                                                          25.6%;
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                                                                        Score 51.5; Di
Pred. No. 36;
6; Mismatches
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                                                                                                             DB 2;
                                                                                                           Length 77;
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                                                                                                       ; ORGANISM: Ancyclostoma caninum US-08-809-455-4
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                         Query Match
Best Local Similarity
Matches 12; Conserv
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                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
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                                                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
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APPLICANT:
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LENGTH: 77 amino acids
TYPE: amino acid
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Bergum, Peter W. TITLE OF INVENTION: NEMATODI TITLE OF INVENTION: PROTEIN
                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
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                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
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CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 30, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US95/13231 FILING DATE: October 17, 1995
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1 CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
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633 West Fifth Street
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Messens, Joris Hilda Lieven
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Jespers, Laurent Stephane
                                  Conservative
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Stanssens, Patrick Eric Hugo
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                                                                                                                                                                          linear
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                              Score 51.5; DF Pred. No. 36; 6; Mismatches
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                                                               DB 2;
                                  12;
                                                                   Length 77;
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US-08-809-455-40
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Matches 12; Conservative
                            Query Match
                                                                                                                                                              TELEFAX: (213) 955-044
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/8
FILING DATE: April 17, 1997
PRIOR APPLICATION DATA:
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                                                                                       MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION: NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
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TITLE OF INVENTION:
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                                                                                                                                                                                             TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
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TWO DATE: June 5, 1995
1995
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            Match 25.6%;
Local Similarity 29.3%;
                                                                                                                       TOPOLOGY:
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                                                                           ORGANISM:
                                                                                                                                  LENGTH: 77 amino acids
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: Los Angeles
E: California
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Messens, Joris Hilda Lieven
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Moyle, Matthew
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                                                                         Ancyclostoma caninum
                                                                                                                     linear
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 6; Mismatches
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               Score 51.5;
Pred. No. 36;
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                             DB 2;
 12;
                             Length 77;
 Indels
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 11;
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RESULT 71
US-09-249-461-4
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                                                                              INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatib
OPERATING SYSTEM: IBM
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
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MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
MOLECULE TYPE:
ORIGINAL SOURCE:
ORGANISM: Anc
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TITLE OF INVENTION:
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                                                                                                                                                               REFERENCE/DOCKET NUMBER: 21
FELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
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                                                                                                                                                                                                                                                        APPLICATION NUMBER: 08/326,110 FILING DATE: October 10
                                                                                                                                     TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                               APPLIING DATE: U.S. APPLICATION NUMBER: U.S. APPLICATION NUMBER: U.S. 1995
TMG DATE: June 5, 1995
1995
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STATE: California
                                                                                                                                                                                                                  NAME: BIGGS, SUZANN REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: FILING DATE: June !
                                                                                                                                                                                                                                                                                                                                                                                  FILLING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILLING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
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FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
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)GY: linear
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                                                                                 77 amino acids
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Jespers, Laurent
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Stanssens, Patrick Eric Hugo
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Word Perfect 5.1
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June 5, 1995
WHER: 08/461,965
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                                                                                                                  4.
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RESULT 72
US-09-249-461-40
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Best Local Similarity
Matches 12; Conserv
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                           INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                             FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: OCTOBET 18, 1994
ATTORNEY, AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C.
SOFTWARE: WOR'D Perfect 5.1
CURRENT APPLICATION NUMBER: US/09/:
APPLICATION NUMBER: US/09/:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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TITLE OF INVENTION:
                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                 TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: (APPLICATION NUMBER: (APPLICATI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/US95/13231
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FILING DATE: April 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Los Angeles
California
: 77 amino acids amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Application US/09249461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             633 West Fifth Street
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gansemans,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Moyle, Matthew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Laroche,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lauwereys,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Yves Rene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08/486,397
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08/809,455
L7, 1997
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                                                                                                                 40:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 51.5;
Pred. No. 36;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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US-09-249-461-40
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US-09-249-448-4
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                                                                                                            APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION UNMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/466,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REGISTRATION NUMBER: 30,158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent No.
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INFORMATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Word Perfect 5.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09
FILING DATE:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
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ORIGINAL SOURCE:
ORGANISM: Ancyclosto
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APPLICANT:
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CORRESPONDENCE ADDRESS:
                                                        REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                    TELEFAX: 6
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CITY: Los Angeles
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: U.S.A. ZIP: 90071
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5. 6121435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3: Lyon & Lyon
633 West Fifth Street
                                     (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Laroche, Yves num.
Jespers, Laurent Stephane
Jespers, Jannick Georges Jozef
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Messens, Joris Hilda Lieven
Lauwereys, Marc Josef
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29.3%;
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                                                                                                  216/270
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Pred. No. 36;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12;
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US-09-249-448-40
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                                                                                                                                                                                                                                                                                                                                ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1
MEDIUM TYPE: storage
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: IBM P.C. DO
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
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                               FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                  FILING DATE: PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
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                                                                                                                                                                 FILING LATE: 08/900, FILING DATE: June 5, 1995
FILING DATE: June 5, 1995
08/486,397
REGISTRATION NUMBER: 30 REFERENCE/DOCKET NUMBER:
                                                                                                       APPLICATION NUMBER: 08/465,380 FILING DATE: June 5, 1995 APPLICATION NUMBER: 08/461,965
                                                                           FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
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                                                                                                                                                          FILING DATE:
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                                                                                                                                                                                                                                    FILING DATE: April 17,
APPLICATION NUMBER: PO
                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
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: Los Angeles
E: California
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633 West Fifth Street
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Messens, Joris Hilda Lieven
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Gansemans, Yannick Georges Jozef
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Laroche, Yves Rene
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                                                                                                                         June 5, 1995
June 5, 1995
""MHER: 08/465,380
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             30,158
   216/270
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Pred. No. 36;
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RESULT 75
US-09-249-473-4
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
                                                                                                                                                                                                                            OPERATING SYSTEM: IBM P.C. D
SOFTWARE: WORD Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/24
PILING DATE:
PRIOR APPLICATION DATA:
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ORIGINAL SOURCE:
ORGANISM: Ancyclostoma caninum
                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
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                                                                                         APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5. 1996
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5. 1996
                             APPLICATION NUMBER: Ub,...
APPLICATION NUMBER: Ub,...
TMG DATE: June 5, 1995
TMG DATE: June 5, 1995
1995
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STREET: 633 West Fifth Street
STREET: Suite 4700
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               FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
                                                                                                                                                               APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
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les 12; Conserv
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Messens, Joris Hilda Lieven
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ilarity 29.3%;
Conservative
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Jespers, Laurent Stephane
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Pred. No. 36;
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US-09-249-473-40
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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                                                                                                                                                                                                                OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
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TITLE OF INVENTION: NEWATOD
TITLE OF INVENTION: INHIBIT
TITLE OF INVENTION: PROTEIN
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             APPLICATION NUMBER: 08/486,397 FILING DATE: June 5, 1995 APPLICATION NUMBER: 08/465,380
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REGISTRATION NUMBER: 30
REFERENCE/DOCKET NUMBER:
                                            APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
                                                                                                                               APPLICATION NUMBER: 01
FILING DATE: April 17
                                                                                                                                                                                                                                                                                                                                   ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                                CITY: Los Angeles
STATE: California
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TOPOLOGY: linear
                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                  APPLICATION NUMBER:
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633 West Fifth Street
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Jespers, Laurent Stephane
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Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
Lauwereys, Marc Josef
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                                                                                                  October 17, 1995
June 5,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NEMATODE-EXTRACTED SERINE PROTEASE INHIBITORS AND ANTICOAGULANT
                                                                                                               PCT/US95/13231
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                                                                                                                                    08/809,455
17, 1997
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Pred. No. 3
                                                                                                                                                                                                                                                DOS 5.0
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US-09-498-556-4
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
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ORGANISM: Ancy
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FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SIZANNE *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
                                                                                                                                   APPLICATION NUMBER: US/09/498,556 FILING DATE: 04-Feb-2000 PRIOR APPLICATION DATA:
                                                                                                                                                                                               COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.C. SOFTWARE: WOTG PETFECT 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
INHIBITORS AND ANTICOAGULANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Vlasuk, George Phillip
Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
                                                                                                                                                                                                                                                                                                                     COMPUTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
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                APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
FILING DATE: June 5, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 42
                                                                                                                                                                                                                                                                                                                                                                            CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                TER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U.S.A.
    APPLICATION NUMBER: 08/486,397
                                                                                                                                                                                                                                                                                                                                       ZIP: 9007:
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Jespers, Laurent Stephane
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                                                                                                                                                                                                                                                                                storage
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Pred. No. 36;
6; Mismatches
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US-09-498-556-40
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GENERAL INFORMATION:
APPLICANT: Vlasuk, George Phillip
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 40,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/498,556
FILING DATE: 04-Feb-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: APRIO 17, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                            Bergum, Peter w.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
INHIBITORS AND ANTICOAGULANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Ancyclostoma caninum SEQUENCE DESCRIPTION: SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: peptide ORIGINAL SOURCE:
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REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
                                                                                                                                                                                                                                        COUNTRY: U
ZIP: 90071
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                                                                                                                                                                               MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                         STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
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Jespers, Laurent Stephane
Gansemans, Yannick Georges Jozef
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Moyle, Matthew
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Messens, Joris Hilda Lieven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lauwereys, Marc Josef
                                                                                                                                                                                                                                                                                                                     Suite 4700
                                                                                                                                                                                                                                                             U.S.A.
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Pred. No. 36;
                                                                                                                                            DOS 5.0
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RESULT 79
US-08-465-380-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7, Application US/08465380 Patent No. 5863894
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INFORMATION FOR SEQ ID NO: 40:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
                                            SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,380
FILING DATE: June 5, 1995
CLASSIFICATION: 530
                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: George P. Vlasuk, Patric H. Stanssens, APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys, APPLICANT: Yves R. Laroche, Laurent S. Jespers, APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT TITLE OF INVENTION: PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/36,110
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/36,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
                                                                                                                                                                       COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.O
                                                                                                                                                                                                                                                                                                  COUNTRY: U.S.A. ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                  STATE: California
APPLICATION NUMBER: 08/326,110
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TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
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REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Peter W. Bergum
                                                                                                                                                                          IBM P.C. DOS 5.0
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Best Local Similarity 29.3
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No.
            CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: 18 OCTOBER 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 208/290
TELECOMMUNICATION INFORMATION:
TELEPAN: (213) 489-1600
TELEPAN: (213) 955-0440
TELEPAN: (73510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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APPLICANT:
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NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,
                                                                                                                                                                                                                                                                                   SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: ECORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: NEMATODE-EXTRACTED COAGULANT PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM:
                                                                                                                                                                                                                                              APPLICATION NUMBER: US/01
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: U.S.A. ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10 CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Application US/08480478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GEORGE P. VLASUK; PATRICK ERIC HUGO STANSSENS; JORIS HILDA LIEVEN MESSENS; MARC JOZEF LAUWEREYS; YVES RENE LAFOCHE; LAURENT STEPHANE JESPERS; and YANNICK GEORGES JOZEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ancyclostoma caninum
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29.3%; Pred. No. 37;
                                                                                                                                                                                                                                                                                                                           IBM P.C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                86
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US-08-486-397-7
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                                                Matches
                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                          MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Word Perfect CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NEMATORITITLE OF INVENTION: PROTEIN NUMBER OF SEQUENCES: 357
                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
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                                                                Local
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                                                                                                                                                                                                                                                  TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                            NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/269
                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: FILING DATE: June | CLASSIFICATION: 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
les 12; Conser
                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Los Angeles
STATE: California
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                                                                                                                                                                                                     ENGTH:
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                                                l Similarity
12; Conser
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                                                                                                                                                                                       amino acid
CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
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633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        George P. Vlasuk, Patric H. Stanssens, Joris H.L. Mensens, Marc J. Lauwereys, Yves R. Laroche, Laurent S. Jespers, Yannick G.J. Gansemans, Matthew Moyle, Peter W. Bergum
                                                                                                                                                                                                       81 amino acids
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                                                                                                                           Ancyclostoma caninum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                 (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                   June 5, 1995
                                                                                                                                                     peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NEMATODE-EXTRACTED ANTICOAGULANT
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                                                             25.6%;
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                                             Score 51.5; DE Pred. No. 37; 6; Mismatches
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6; Mismatches
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Pred. No. 37;
                                                                           DB 1;
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RESULT 83
US-08-461-965-7
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; ORIGINAL SOURCE:
; ORGANISM: Anc
US-08-486-399-7
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US-08-486-399-7
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                                                                            Sequence 7, Application US/08461965 Patent No. 5872098
              GENERAL INFORMATION:
APPLICANT: George I
APPLICANT: Joris H
APPLICANT: Yves R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent No.
                                                                                                                                                                                                                                   Matches
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Best Local
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
PRIOR APPLICATION UNMBER: 08/326
APPLICATION UNMBER: 08/326
FILING DATE: October 18, 1
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL
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APPLICANT:
APPLICANT:
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APPLICATION NUMBER: US
FILING DATE: June 5, 1
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MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Yannick G.J. Gar
APPLICANT: Peter W. Bergum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
TYPE: amino acid
TYPE: Iinear
                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: BIGGS, SUZANNI
REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM CONCERNING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Los Angeles
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE:
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                                                                                                                                                                                                                                 l Similarity
12; Conserv
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                                                                                                                                                                      CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC
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                                                                                                                                                                                                                                                                                                                                                                                     81 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           George P. Vlasuk, Patric H. Stanssens, Joris H.L. Mensens, Marc J. Lauwereys, Yves R. Laroche, Laurent S. Jespers, Yannick G.J. Gansemans, Matthew Moyle,
George P. Vlasuk, Patric H. Joris H.L. Mensens, Marc J. Yves R. Laroche, Laurent S. Yannick G.J. Gansemans, Matt
                                                                                                                                                                                                                                   Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             umber: US/08/486,399
June 5, 1995
N. г.
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                                                                                                                                                                                                                                              25.6%;
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r 18, 1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               213/270
                                                                                                                                                                                                                                              Score 51.5;
Pred. No. 37;
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                                                                                                                                                                                                                                   Mismatches
                Jespers
                              Lauwereys,
                                                Stanssens,
                                                                                                                                                                                                                                                             DB 1;
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                                                                                                                                                                                                                                                              Length 81;
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RESULT 84
US-08-326-110A-36
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                                                                                                                                                                                                                                                                                                     Sequence 36, Application US/08326110A
Patent No. 5945275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110

FILING DATE: OCTOBER: 1994

ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158

REFERENCE/DOCKET NUMBER: 210/243

TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                             APPLICANT:
APPLICANT:
                                                                                                                                                                                         APPLICANT: GEORGE P. VLASUK; PATRICK ERIC APPLICANT: HUGO STANSSENS; JORIS HILDA APPLICANT: LIEVEN MESSENS; MARC JOZEF APPLICANT: LAUWERRYS; YVES RENE LAROCHE; APPLICANT: LAUWERRYS; THE PHANE JESPERS; and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRINT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                                                                                     NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                        TITLE OF INVENTION: NEMATODE-EXTRACTED ANTI-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Peter W.
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
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                                 ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: U.S.A.
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 California
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                                                                                                                                                             GANSEMANS
                                                                                                                                                                              YANNICK GEORGES JOZEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         peptide
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NEMATODE-EXTRACTED ANTICOAGULANT
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Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12;
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US-08-634-641-7
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: BIGGS SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 208/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
                                                                                                ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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                  CURRENT APPLICATION DATA: APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: FASTSEQ Version 1.5 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
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                                                  OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                           ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                           CITY: Los Angeles
STATE: California
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)GY: linear
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Jespers, Laurent Stephane
Jespers, Yannick Georges Jozef
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Mensens, Joris Hilda Lieven
Lauwereys, Marc Josef
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                                                                                     IBM Compatible
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April 19, 1996
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                                                                                                                                                                                                                                                                                                                    NEMATODE-EXTRACTED ANTICOAGULANT PROTEIN
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                  US/08/634,641
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Pred. No. 37;
                                                                      DOS 5.0
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DB 1; 12;

Length 81; Indels

11;

Gaps

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US-09-249-471-7
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INFORMATION FOR SEQ ID NO:
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FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
FILING DATE: June 5, 1995
FILING DATE: June 5, 1995
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ORIGINAL SOURCE:
ORGANISM: And
                                                                                                                                                                                                                                                      APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATOD
TITLE OF INVENTION: INHIBIT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
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LENGTH: 81 amino acids
TYPE: amino acid
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APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
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ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
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     CURRENT APPLICATION DATA
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COMPUTER: IBM C.... IBM P.C. OPERATING SYSTEM: IBM P.C. OPERATING SYSTEM: IBM P.C. OPERATING SYSTEM:
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Local Similarity 29.3%;
nes 12; Conservative
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CITY: Los Angeles
STATE: California
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                                                                                                                      ZIP: 90071
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                                                                                                                                  COUNTRY:
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Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
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                                                                                                                                       U.S.A.
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Jespers, Laurent
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NUMBER: 08/486,399
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                                     IBM P.C. DOS 5.0
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Pred. No. 3
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US-09-249-472-7
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TELEX: 67-310
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
LENGTH: 81 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
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ORIGINAL SOURCE:
ORGANISM: Anc
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APPLICANT:
APPLICANT:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                        TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
                                                                                                                                                                           CORRESPONDENCE ADDRESS
                                                                                                                                                                                           NUMBER OF SEQUENCES:
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                                                                                                                         STREET:
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REGISTRATION NUMBER:
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                                                         COUNTRY: U
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Los Angeles
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633 West Fifth Street
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Messens, Joris Hilda Lieven
Tanwereys, Marc Josef
                                                                         U.S.A.
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Gansemans, Yannick Georges Jozef
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L7, 1997
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Pred. No. 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2;
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Gaps

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RESULT 88
US-09-249-451-7
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino
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Best Local Similarity
                                                                                                                                                                                                                                                                                                         Patent No.
GENERAL I
                                                                                                          APPLICANT: Moyle, Ma
APPLICANT: Bergum, P
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/1321
APPLICATION NUMBER: PCT/US95/1321
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
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ORIGINAL SOURCE:
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APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
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ATTORNEY/AGENT INFORMATION:
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                                                                              CORRESPONDENCE ADDRESS:
                                                                                                UMBER OF SEQUENCES:
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
                                 STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Ancyclostoma caninum
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                                                               ADDRESSEE:
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                                                                                                                                                                                                                                                                                                         INFORMATION:
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5. 6087487
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Los Angeles
California
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)GY: linear
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                                 Suite 4700
                                              633 West Fifth Street
                                                                                                                                                       Moyle, Matthew
Bergum, Peter W.
                                                                                                                                                                                                                                                     Vlasuk, George Phillip
Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
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Jespers, Laurent
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                                                                                                               PROTEIN
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                                                                                                                                                                                       Yannick Georges Jozef
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Pred. No. 37;
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US-08-809-455-7
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Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
ORGANISM: And
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino acids
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA
                                                                 APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODI
TITLE OF INVENTION: INHIBITO
TITLE OF INVENTION: PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
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                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08, FILING DATE: April 17, APPLICATION NUMBER: PC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
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APPLICATION NUMBER: (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                            10 CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid
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Moyle, Matthew
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Messens, Joris Hilda Lieven
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                                                                 NEMATODE-EXTRACTED SERINE PROTEASE INHIBITORS AND ANTICOAGULANT PROTEIN
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                                                                                                                                                                                                                                    Patrick Eric Hugo
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Pred. No. 37;
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RESULT 90
US-09-249-461-7
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APPLICATION NUMBER: PCT/US95/13231

APPLICATION NUMBER: 08/486,399

FILING DATE: OCCOBER: 17,1995

APPLICATION NUMBER: 08/486,399

FILING DATE: June 5,1995

APPLICATION NUMBER: 08/466,397

FILING DATE: June 5,1995

APPLICATION NUMBER: 08/461,380

FILING DATE: June 5,1995

APPLICATION NUMBER: 08/461,965

FILING DATE: June 5,1995

APPLICATION NUMBER: 08/461,965

FILING DATE: June 5,1995

APPLICATION NUMBER: 08/366,110

FILING DATE: OCCOBER: 08/326,110

APPLICATION NUMBER: 08/365,110

APPLICATION NUMBER: 08/365,110
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APPLICANT:
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APPLICANT:
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LENGTH: 81 amino acids
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FILING DATE: April 17, 1997
PRIOR APPLICATION DATA:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                       APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATOD
TITLE OF INVENTION: INHIBIT
TITLE OF INVENTION: PROTEIN
                                                                                                                              APPLICANT:
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CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      y Match 25.6%;
Local Similarity 29.3%;
hes 12; Conservative
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REFERENCE/DOCKET NUMBER: 216/270
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CITY: Los Angeles
STATE: California
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Messens, Joris Hilda Lieven
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Moyle, Matthew
                                                                                                                                                                     Jespers, Laurent Stephane
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                                       PROTEIN
                                                              NEMATODE-EXTRACTED SERINE PROTEASE INHIBITORS AND ANTICOAGULANT
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Pred. No. 37;
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US-09-249-448-7
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                                                                                                                                            Sequence 7, Application US/09249448
Patent No. 6121435
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                 Matches
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
APPLICANT:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/3:
FILING DATE: October 18,
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
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APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
FILING DATE: June 5, 1995
FILING DATE: June 5, 1995
FILING DATE: June 5, 1004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DALE. 08/100, APPLICATION NUMBER: 08/195
FILING DATE: June 5, 1995
FILING DATE: 08/486,397
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APPLICATION NUMBER: UU,
APPLICATION NUMBER: 00,
1995
1995
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STATE: California
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                                     Laroche, Yves Rene
Jespers, Laurent Stephane
Gansemans, Yannick Georges Jozef
                                                                                               Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
                         Gansemans, Yanı
Moyle, Matthew
                                                                                      Lauwereys,
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SYSTEM: IBM P.C.
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3 West Fifth Street
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NEMATODE-EXTRACTED SERINE PROTEASE
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                                                                                      Marc Josef
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17, 1997
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Pred. No. 37;
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APPLICANT:

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RESULT 92
US-09-249-473-7
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                                                                                                                              Sequence 7, Application US/09249473 Patent No. 6534629
                                                    GENERAL INFORMATION:
APPLICANT: Vlasuk,
APPLICANT: Stanssen
APPLICANT: Messens
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                                                                                                                                                                                                                                                                                                                                                            Query Match
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 30,100
REGISTRATION NUMBER: 216/:
REFERENCE/DOCKET NUMBER: 216/:
TELECOMMUNICATION INFORMATION:
TOPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS: LENGTH: 81 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Word Perfect CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: October 18, 1994 ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: 3.5" Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1
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STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
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STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    81 amino acids
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Jespers, Laurent Stephane
                                                    Vlasuk, George Phillip
Stanssens, Patrick Eric Hugo
Messens, Joris Hilda Lieven
                                  Lauwereys,
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                3, Marc Josef
Yves Rene
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Pred. No. 37;
6; Mismatches
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                                Sequence 7, Application US/09498556; Patent No. 6872808; GENERAL INFORMATION:
                                                                                            RESULT 93
US-09-498-556-7
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
ORIGINAL SOURCE:
ORGANISM: And
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,1040
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
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                                                                                                                                                                                                                                              Local Similarity 29.3 es 12; Conservative
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APPLICATION NUMBER: PCT/US95/13231
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APPLICANT: Vlasuk, George Phillip
Stanssens, Patrick Eric Hugo
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California
                                                                                                                                                                                                                                                                                                                                                                                                                    amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                      linear
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29.3%;
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17, 1997
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; Pred. No. 37;
6; Mismatches
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Gaps

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RESULT 94
. US-08-465-380-20
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SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-498-556-7
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                                                                                                                                                Matches
                                                                                                                                                                                 Query Match
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INFORMATION FOR SEQ ID NO: 7:
                                                                                                                                              Local Similarity
nes 12; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMULICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 04-Feb-2000

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455

FILING DATE: April 17, 1997

APPLICATION NUMBER: PCT/US95/13231

FILING DATE: October 17, 1995
                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: peptide ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino acids
TYPE: amino acid
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WOR'D PERFECT 5.1
CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
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ADDRESSEE: Lyon & Lyon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 356
                                                                         10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
                                                                                                          CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
                                                                         CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/486,399
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Moyle, Matthew
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                                                                                                                                            Score 51.5; Di
Pred. No. 37;
6; Mismatches
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                                                                                                                                                                                 Length 81;
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                                                                                                                                                                                                                                         RESULT 95
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US-08-480-478-48
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TELERAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 20
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
TYPE: amino acid
                                                                                                                                                                                                                      Sequence 48,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20, Application US/08465380 Patent No. 5863894
                                     GENERAL INFORMATION:

APPLICANT: GEORGE P. VLASUK; PATRICK ERIC
APPLICANT: HUGO STANSSENS; JORIS HILDA
APPLICANT: LIEVEN MESSENS; MARC JOZEF
APPLICANT: LAUWEREYS; YVES RENE LAROCHE;
APPLICANT: LAUWEREYS; YVES RENE LAROCHE;
APPLICANT: YANNICK GEORGES JOZEF
APPLICANT: GANSEMANS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/3:
FILING DATE: October 18,
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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ORIGINAL SOURCE:
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APPLICATION NUMBER: US/08.
FILING DATE: June 5, 1995
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APPLICANT: Yves R. Laroche,
APPLICANT: Yannick G.J. Gan
APPLICANT: Peter W. Bergum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
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TITLE OF INVENTION: NEMATODE-EXTRACTED ANTITITLE OF INVENTION: COAGULANT PROTEIN
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OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                  12; Conservative
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Similarity 29.3%;
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Los Angeles
                                                                                                                                                                                                        5864009
                        INVENTION: 1
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                                                                                                                                                                                                                      Application US/08480478
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Joris H.L. Mensens, Marc J. Lauwereys,
Yves R. Laroche, Laurent S. Jespers,
Yannick G.J. Gansemans, Matthew Moyle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Word Perfect 5.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROTEIN
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                                                                                                                                                                                                                                                                                                                                                                                                  6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 51.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            213/268
                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                  12; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700 CITY: Los Angeles NUMBER OF SEQUENCES:

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RESULT 96
US-08-486-397-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 48:
                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                            APPLICANT: George P. Vlasuk, Patric H. Stanssens, APPLICANT: Joris H.L. Mensens, Marc J. Lauwerzeys, APPLICANT: Yves R. Laroche, Laurent S. Jespers, APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
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LENGTH: 100 amino acid
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REFERENCE/DOCKET NUMBER: 208/290
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 530 PRIOR APPLICATION DATA:
                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                         TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT TITLE OF INVENTION: PROTEIN NUMBER OF SEQUENCES: 357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 08/326,110
FILING DATE: 18 OCTOBER 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 06-JUN-19
                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 12-
TELEFAX: 67-3510
                                                                                                                                                                                                                                                                                                                PPLICANT:
                                                                                                                                        ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM CON OPERATING SYSTEM:
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
                                                                                                           ZIP: 90071
                                                                                                                            COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER:
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                                                                                                                                                                                                                                                                                                            Peter W. Bergum
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                                                                                                                                U.S.A.
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Pred. No. 46;
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                                                                          1.44 Mb
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RESULT 97
US-08-486-399-20
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; ORIGINAL SOURCE:
; ORGANISM: Ancyclostor
US-08-486-397-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
             PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/326,110

FILLING DATE: October 18, 1994

ATTORNEY/AGENT INFORMATION:

NAME: BIGGS, SUZANNE L.

REGISTRATION NUMBER: 30,158

REFERENCE/DOCKET NUMBER: 213/270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (213) 955-044
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: OCCODET 18, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                              CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Yannick G.J. Gar
APPLICANT: Peter W. Bergum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
ELECOMMUNICATION INFORMATION:
                                                                                                                                        APPLICATION NUMBER: US/08 FILING DATE: June 5, 1995 CLASSIFICATION: 530
                                                                                                                                                                                                            OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08 FILING DATE: June 5, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: BIGGS, SUZANNI REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                            STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                   COMPUTER:
                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                          9007
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                                                                                                                                                                                                                                                                                                                                                          Los Angeles
California
                                                                                                                                                                                                                                                                                                                                                                                          EE: Lyon & Lyon
633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/08486399
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      George P. Vlasuk, Patric H. Stanssens,
Joris H.L. Mensens, Marc J. Lauwereys,
Yves R. Larcohe, Laurent S. Jespers,
Yannick G.J. Gansemans, Matthew Moyle,
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                                                                                                                                                                                                                                               IBM Compatible
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Pred. No. 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        213/269
                  213/270
                                                                                                                                                                                                                                DOS 5.0
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; TOPOLOGY: line
; MOLECULE TYPE: p
; ORIGINAL SOURCE:
; ORGANISM: Ancy
, US-08-461-965-20
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APPLICANT: George
APPLICANT: Joris H
APPLICANT: Yves R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
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                                                                                                 INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (213) 489-1
TELEFAX: (213) 955-044
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: Calife
                                                                                                                                                                                                                                                 CLASSIFICATION DATA:
PRIOR APPLICATION UNMBER: 08/326,110
APPLICATION UNMBER: 08/326,110
FILING DATE: October 18, 1994
AFTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      tent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: NEWATODE-EXTRACTED ANTICOAGULANT TITLE OF INVENTION: PROTEIN NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancyclostoma caninum
                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: "IBM P.C. DOS 5.0 SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA: DATE: US/08/461,965 FILING DATE: June 5, 1995 CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
                                                                                                                                                                                                       NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                         TELEPHONE: (213) 955-0440
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ZIP: 9007
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                                                                                    amino acid
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Joris H.L. Mensens, Marc J. Lauwereys,
Yves R. Laroche, Laurent S. Jespers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        U.S.A.
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                  Ancyclostoma caninum
                                                                      linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                     IBM Compatible
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                                                                                                                                                                                         (213) 489-1600
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Pred. No. 46
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US-08-326-110A-48
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 48, Application US/08326110A Patent No. 5945275
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICANT: HUGO STANSSENS; JORIS HILDA
APPLICANT: LIEVEN WESSENS; MARC JOZEF
APPLICANT: LAUWEREYS; YVES RENE LAROCHE;
APPLICANT: LAURENT STEPHANE JESPERS; and
APPLICANT: YANNICK GEORGES JOZEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 1
FILING DATE: 18 OCTOR
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                       TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: {
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: GANSEMANS TITLE OF INVENTION: 1
                                                                                                                                                          LENGTH: 100 amino acids
TYPE: amino acid
                                                                                                                                                                                                                          TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM CONCOPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: U
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CITY: Los Angeles
STATE: California
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                                                                                                                                            TOPOLOGY:
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29 CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC
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                            CSONEYFDSLLHAC---IPCOLRCSSNTP----PLTCORYC
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633 West Fifth Street
                                                            Conservative
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                                                           Score 51.5; DI
Pred. No. 46;
6; Mismatches
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Pred. No. 46;
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RESULT 100 US-08-634-641-20

; Sequence 20, Application US/08634641

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INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORIGINAL SOURCE:
ORGANISM: Ancyclostoma canin
US-08-634-641-20
Search completed: July 10, 2006, 16:42:59 Job time : 22 secs
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Best Local Similarity
Matches 12; Conserv
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage

COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION NUMBER: US/08/634,641
FILLING DATE: APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/3231
FILLING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILLING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,399
FILLING DATE: June 5, 1995
APPLICATION NUMBER: 08/445,380
FILLING DATE: June 5, 1995
APPLICATION NUMBER: 08/445,380
FILLING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILLING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILLING DATE: June 5, 1995
APPLICATION NUMBER: 08/328,110
FILLING DATE: June 5, 1995
APPLICATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 219/136
TELECOMMUNICATION INFORMATION:
TELEPAN: (213) 955-0440
TELEZX: 67-3510
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GENERAL INFORMATION:
APPLICANT: Vlasuk
APPLICANT: Stanss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 633 TOUR ATREET: Suite 4700 CITY: Los Angeles STATE: California COUNTRY: U.S.A.
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Ly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
                                                                                                   29
                                                                                                                                         1 CSQNEYFDSLLHAC---IPCQLRCSSNTP----PLTCQRYC 34
                                                                                                CGENEWLDD----CGTQKPCEAKCNEEPPEEEDPICRSRGC 65
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Stanssens, Patrick Eric Hugo
Mensens, Joris Hilda Lieven
Lauwereys, Marc Josef
Laroche, Yves Rene
Jespers, Lauvent Stephane
Gansemans, Yannick Georges Jozef
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633 West Fifth Street
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Moyle, Matthew
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29.3%; Pred. No. 46;
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Perfect score:
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        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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2: uniprot_trembl:*
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Copyright (c) 1993 - 2006 Biocceleration Ltd.
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Tumor necrosis factor receptor
Tumor necrosis factor maturation protein) ((Name=TNFRSF17; Synonyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Maia S., Freeman G.J., Nadler L.M., Cardoso A.A.; "Novel, Secreted Isoform of Human Tumor Necrosis Factor Superfamily, Member 17 (TNPRSF1)."; Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
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Mammalia; Eutheria;
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MEDLINE=99455270; PubMed=10493829; DOI=10.1095(geno.1999.5927;

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"Genome duplications and other features in 12 Mb of DNA sequence
human chromosome 16p and 16q.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE, AND CHROMOSOMAL TRANSLOCATION TISSUE=Lymph node, and Peripheral blood leukocyte; MEDLINE=93010984; PubMed=139583;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  activates
activated
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Nucleic
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Larsen C.-J., Tsapis A.;
"A new gene, BCM, on chromosome 16 is f
by a t (4;16) (q26;p13) translocation in
EMBO J. 11:3897-3904 (1992).
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Mammalia; Eutheria; Euarchontoglires; Primates;
                                                                                                                                                                                                                                                                                                                                                                           Gross J.A., Johnston
Madden K., Xu W., Par
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Livingston R.J., Rieder M.J., Chung M.-W., Ritchie T.K., Olson A.N., Nguyen C.P., Nguyen D.A., Poel C.L., Robertson P.D., Schackwitz W.S., Sherwood J.K., Sherwood A.M., Leithauset, Nickerson D.A., "NIEHS-SNPs, environmental genome project, NIEHS ES15478, Department of Genome Sciences, Seattle, WA (URL: http://egp.gs.washington.edu)."; Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE, AND VARIANT THR-153.

MEDLLNB=21419161; PubMed=11528522; DOI=10.1038/sj/gene/6363770; Kawasaki A., Tsuchiya N., Fukazawa T., Hashimoto H., Tokunaga K.; "Presence of four major haplotypes in human BCMA gene: lack of association with systemic lupus erythematosus and rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "The BCMA gene, preferentially expressed is bidirectionally transcribed.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
MEDLINE=94218235; Pul
Laabi Y., Gras M.P.,
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MEDLINE=21170294; Pul
Yu G., Boone T., Deli
McCabe S., Qiu W.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VAL-75;
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                                                                                                                                                                                                                                                                                                                                               Moore M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=20259066;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VAL-75; ASN-81 AND SER-165.
Livingston R.J., Rieder M.J.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FUNCTION
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ryota; Metazoa;
                                                                                                                                                                                           and BCMA are receptors mmune disease."; e 404:995-999(2000).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NF-kappa B, elk-1, c-Jun
protein kinase.";
l. 165:1322-1330(2000).
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                                                                                                                                                                                                                                                                       39066; PubMed=10801128; DOI=10.1038/35010115;
Johnston J., Mudri S., Enselman R., Dillon S.R.,
IN W., Parrish-Novak J., Foster D., Lofton-Day C.,
Ittau A., Grossman A., Haugen H., Foley K., Blumberg
Kindsvogel W., Clegg C.H.;
MA are receptors for a TNF homologue implicated in H
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Res. 22:1147-1154(1994).
                                                                                                                       INTERACTIONS
   TERACTIONS WITH APRIL AND BAFF.

PubMed=10973284; DOI=10.1038/79802;

Delaney J., Hawkins N., Kelley M.J., Ramal

R., Kornuc M., Xia X.-Z., Guo J., Stolina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PubMed=8165126;
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n a malignant
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rimates; Catarrhini; Homin
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during
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ing B lymphoid maturation,
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T cell lymph
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                                                   Ramakrishnan
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lymphoma.";
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p38
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                                                                                                                                                                                                                                                                                   B-cell
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MIM; 109545; gene.

GO; GO:0016021; C:integral to membrane; TAS.
GO; GO:0005886; C:plasma membrane; TAS.
GO; GO:0005815; F:protein binding; IPI.
GO; GO:0004872; F:receptor activity; TAS.
GO; GO:0008283; P:cell proliferation; TAS.
GO; GO:0007275; P:development; TAS.
GO; GO:0007275; P:development; TAS.
GO; GO:0007165; P:signal transduction; TAS.
                                                                                                                                                                                                                                                                        3D-structure;
Polymorphism;
CHAIN
                                                                                         DISULFID DISULFID DISULFID
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HGNC; HGN
                                                                                                                                                    SITE
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EMBL; U95742; AA867251.1; -; Genomic_DNA.
EMBL; AB052772; BAB60895.1; -; Genomic_DNA.
EMBL; AX509112; AAR84240.1; -; Genomic_DNA.
EMBL; AX509112; AAR84240.1; -; Genomic_DNA.
EMBL; S43486; S43486;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Shu H.-B., Johnson H.;

"B cell maturation protein is a receptor for the tumor necrosis factor family member TALL-1.";

Proc. Natl. Acad. Sci. U.S.A. 97:9156-9161(2000).

-!- FUNCTION: Receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL.

--- Promotes B-cell survival and plays a role in the regulation of humoral immunity. Activates MF-kappa-B and JNK.

--- SUBUNIT: Associates with TRAF1, TRAF2, TRAF3, TRAF5 and TRAF6.

--- INTERACTION:
                                                                                                                                                                                                                                                                                                                  InterPro; IPR001368; TNFR_c6.
PROSITE; PS00652; TNFR_NGFR_1; FALSE_NEG.
PROSITE; PS50050; TNFR_NGFR_2; FALSE_NEG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; Z14954; CAA78679.1; -; mRNA.
EMBL; Z29575; CAA82691.1; -; mRNA.
EMBL; Z29574; CAA82690.1; -; Genom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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-!- SUBCELLULAR LOCATION: Type III membrane protein. Plasma membrand perinuclear Golgi-like structures.
-!- TISSUE SPECIFICITY: Expressed in mature B-cells, but not in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "APRIL and TALL-I and receptors BCMA and TACI: system for regulating humoral immunity.";
                  VARIANT
                                              VARIANT
                                                                                                                                                                                MOD_DOM
                                                                                                                                                                                                              TRANSMEM
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MEDLINE=20381353; PubMed=10908663; DOI=10.1073/pnas.160213497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nat. Immunol. 1:252-256(2000).
[9]
                                                                            VARIANT
                                                                                                                                                                    REPEAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IntAct; Q02223;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DISEASE: A chromosomal aberration involving form of T-cell acute lymphoblastic leukemia t(4;16)(q26;p13) with IL2.
SIMILARITY: Contains 1 TNFR-Cys repeat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cells or monocytes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10QD; X-ray; K/L/M/N/O/P/Q/R=8-46.
1XU2; X-ray; R/S/T=5-51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGNC:11913; TNFRSF17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ENSG00000048462; Homo sapiens.
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5 4 4 8
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7
                                                                                                                                                                                                                                                                        Chromosomal translocation; Immune response; Membrane; Proto-oncogene; Receptor; Signal-anchor; Transmembrane.

1 184 Tumor necrosis factor receptor
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41
4
                                              65
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37
41
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77
                                                                                                                                                                                                                                         Tumor necrosis factor receptor superfamily member 17. /FTId=PRO_000058935.
                                                                                                       By similarity.
By similarity.
                                                                                                                                     Breakpoint for translocation IL2/TNFRSF17 oncogene.
                                                                                                                                                                                protein (Potential).
Cytoplasmic (Potential).
                            /FTId=VAR_018756
                                                                                                                                                                    TNFR-Cys.
                                                                                                                                                                                                           Signal-anchor for type III membrane
                                                                                                                                                                                                                           Extracellular
FTId=VAR_018757
                                                           FTId=VAR_018755
                                                                                         similarity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TAS.
                                                                                                                                                                                                                           (Potential).
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ein. Plasma membrane
                                                                                                                                                    to form
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	NUCLEOTIDE SEQUENCE. NUCLEOTIDE SEQUENCE. TISSUE=Pooled; Strausberg R.; Strausberg R.; Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
D.E., length	Y.S.N., Krzywiński M.I., Skalska U., Smailus Schein J.E., Jones S.J.M., Marra M.A.; and initial analysis of more than 15,000 full NA sequences."; Acad. Sci. U.S.A. 99:16899-16903(2002).
Sanche	Y D.M., Sodergren E.J., Lu X., G Y D.M., Sodergren E.J., Lu X., G , Ketteman M., Madan A., Rodrigu , Young A.C., Shevchenko Y., Bo Chnan J.W., Green E.D., Dickson
z ż ^o dą	g B., Buetow K.H., Schaefer C.F., E H., Moore T., Max S.I., Wang J., HE na K., Farmer A.A., Rubin G.M., Hor M.B., Bonaldo M.F., Casavant T.L., n T.B., Toshiyuki S., Carninci P., N.A., Peters G.J., Abramson R.D., N.A., Poters G.J., Abramson R.D., J., McKernan K.J., Malek J.A., Gund J., McKernan K.J., Malek J.A., Gund
3899; uler G.	_TaxID=9606; EOTIDE SEQUENCE. UE=Pooled; INIE=22388257; PubMed=12 usberg R.L., Feingold E usberg R.D., Collins F.S.
eostomi; i; Homini	Homo sapiens (Human). Homo sapiens (Human). Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleost Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleost Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; I Homo.
	05-JUL-2004, integrated into UniProtKB/TrEMBL. 05-JUL-2004, sequence version 1. 07-FEB-2006, entry version 11. Tumor necrosis factor receptor superfamily, member 17.
	SULT 3 PE46 HUMAN OGPE46 HUMAN PRELIMINARY; PRT; 184 AA.
	1 CSQNEYFDSLLHACIFCOLRCSSNTPPLTCQRYC 34
84; 0;	Query Match 100.0%; Score 201; DB 1; Length 1 Best Local Similarity 100.0%; Pred. No. 1.8e-18; Matches 34; Conservative 0; Mismatches 0; Indels
•	STRAND 12 15 TURN 16 19 STRAND 20 23 HELIX 24 26 TURN 27 29 STRAND 30 32 HELIX 35 42 SEQUENCE 184 AA; 20138 MW; 277AF11E2767D932 CRC64;
	/FTIG-VAR_0 153
	n db

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PRESENTATION OCCUPINATION OCC
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TNR17_I
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RA Carninci P. Kasukawa T. Katayama S., Gough J., Frith M.C., Maeda N., RA Carninci P., Kasukawa T., Eenhard B., Wells C., Kodzius R., Shimokawa K., RA Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M., Wilming L.G., Aidinis V., Allen J.E., Zavolan M., Wilming L.G., Aidinis V., Allen J.E., Batalov S., Forrest A.R., Zavolan M., Wilming L.G., Aidinis V., Allen J.E., Bono H., Chalk A.M., RA Barsal M., Baxter L., Beisel K.W., Bersano T., Bono H., Chalk A.M., Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., Ralkiner G., RA Gistofindi M., Flatkawi T., Barderi R., Furuno M., Futaki S., Gariboddi M., Fletker C.F., Fukushima T., Furuno M., Futaki S., Gariboddi M., RA Gustincich S., Harbers M., Hayashi Y., Hensch T.K., Hirokawa N., RA Gustincich S., Katoh M., Kawasawa Y., Kelso J., Kitamura H., Kitano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K., RA Kurochkin I.V., Laraeu L.F., Lazarevic D., Lipovich L., Liu J., Liu J., Lazarevic D., Lipovich L., Liu J., RA Kurochkin I.V., Lazarevic D., Lipovich L., Liu J., Lazarevic D., Kitamura O., Makauchi H., Matsuzawa S., Miki H., Mignone F., Miyake S., Morris K., RA Milsson R., Nishiguchi S., Nishikawa S., Mori F., Ohara O., Ohara O., Paran W.J., Pavesi G., Pesole G., Patan W.J., Schneider C., Sendelin A., Schneider C., Tang S., Taylor M.S., Tegner J., Taki K., RA, Yananishi H., Zabarovsky E., Sendelin A., Schneider C., Taki K., Ra, Katian H., Kati C., Sasaki D., Tomar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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Best Local
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7 MOUSE
TNR17 MOUSE
088472;
27-MAY-2002,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Madry C., Laabi Y., Callebaut I., Roussel J., Hatzoglou
Le Coniat M., Mornon J.P., Berger R., Tsapis A.;
"The characterization of murine BCMA gene defines it as
of the tumor necrosis factor receptor superfamily.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ensembl; ENSG00000048462; Homo sapiens. GO; GO:0004872; F:receptor activity; IEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=C57BL/6J; TISSUE=Colon;
PubMed=16141072; DOI=10.1126/science.1112014;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=BALB/c;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mus musculus (Mouse)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        maturation protein)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-1998,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=99061155;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10:1693-1702(1998).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE=Spleen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PubMed=9846698; DOI=10.1093/intimm/10.11.1693;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Glires; Rodentia; Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            [MRNA] (ISOFORMS 1 AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20139 MW;
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Pred. No. 1.8e-18
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Strausberg R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., A Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., A Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Stepleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., A Stapleton M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C., A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McZwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., A Robards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Villalon D.K., Wolley R.C., Shevchenko Y., Bouffard G.G., A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human and provide Chall Schmutz C.M. Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human and marker Challenger R.M.)
                                                                            TOPO DOM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Proc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=C57BL/6J; TISSUE=Mammary gland; MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Fukuda S., Kanamori-Katayama M., Suzuki M., Aoki J., Arakawa T
Iida J., Imamura K., Itoh M., Kato T., Kawaji H., Kawagashira
Kawashima T., Kojima M., Kondo S., Konno H., Nakano K., Ninomi
Nishio T., Okada M., Plessy C., Shibata K., Shiraki T., Suzuki
Tagami M., Waki K., Watahiki A., Okamura-Oho Y., Suzuki H., Ka
                                                                                                                                                                                                                                                                                                                                                EMBL; BC027519; AAH27519.1; -;
                                                                                                                                                                                                                                                                                                                                                                EMBL; AF061505; AAC23799.1; -; mRNA. EMBL; AK020247; BAB32038.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and mouse cDNA sequences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Science
  DISULFID
                      REPEAT
                                      TOPO_DOM
                                                                                                                                                                      Alternative splicing; Immune response; Membrane; Receptor; Signal-anchor; Transmembrane.
                                                                                                                                                                                                                                                                                                          Ensembl; ENSMUSG00000022496; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "The transcriptional landscape of the mammalian genome."; Science 309:1559-1563(2005).
                                                                                                                                                                                                              PROSITE;
                                                                                                                                                                                                                              PROSITE;
                                                                                                                                                                                                                                                  nterPro;
                                                                                                                                                                                                          ; MGI:1343050; Tnfrsf17.
GG:0016021; C:integral to membrane; ?
GC:0016021; TNFR C6.
erPro; IPR001368; TNFR NGFR 1; FALSE NEG
SITE; PS00652; TNFR NGFR 2; FALSE_NEG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE SPECIFICITY: Detected in spleen, theart, and at lower levels in kidney and SIMILARITY: Contains 1 TNFR-Cys repeat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             c. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
FUNCTION: Receptor for TWFSF13B/BLyS/BAFF and TWFSF13/APRIL.
Promotes B-cell survival and plays role in the regulation of humoral immunity. Activates NF-kappa-B and JNK (By similarity) SUBUNIT: Associates with TRAF1, TRAF2, TRAF3, TRAF5 and TRAF6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUBCELLULAR LOCATION: Membrane; single-pass type III membrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Name=2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein (Probable).
ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 similarity)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Event=Alternative splicing; Named isoforms=2
                                                                                                                                                                                                                                                                                                                              Q02223;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               [soId=088472-1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           soId=088472-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE [LARGE SCALE MRNA]
  71
4
5
                                                                          50
                                                                                                                                                                                                                                                                                                                              1000
185
36
18
                                                                                                                                                        185
                                                                          70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence=VSP_006507; Sequence=VSP_none;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence=Displayed
                  superfamily member 17.
/FIId=PRO 000058936.
Extracellular (potential).
Signal-anchor for type III membrane
protein (potential).
Cytoplasmic (Potential).
TNFR Cys.
                                                                                                                                                Tumor necrosis factor receptor
                                                                                                                                                                                                                                                                    membrane; TAS
                                                                                                                                                                                                                                                                                                                                                  mRNA
                                                                                                                                                                                                                                                                                                            musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                           see http://www.uniprot.org/terms
Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ISOFORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   thymus,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Y., Suzuki H., Kawai J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       bone
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Suzuki S.,
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RESULT 6
Q80Z18 MOUSE
ID Q80Z18 M
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DT 01-JUN-20
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088714 MOUSE
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 01-JUN-2003,
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VARSPLIC
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07-FEB-2006, entry version 26.
Gastric mucin-like protein (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tomasetto C., Masson Rio M.C.;
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                                                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                                       SMART; SM00216; VWD;
                                                                                                                                                                                                                                                                                                                      Pfam; PF01826; TIL; 1.
Pfam; PF00094; VWD; 1.
                                                                                                                                                                                                                                                                                                                                                                                  Ensembl; ENSMUSG00000048191; Mus musculus. MGI; MGI:2663233; Muc6.
                                                                                                                                                                                                                                                                                                                                                                                                                HSSP;
                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; AJ010752; CAA09343.1; -; mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Copyrighted by the Uni
Distributed under the
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
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                                                                                                                                       CSONEYFDHSEGTCVPC
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By similarity.
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   RESULT 7
Q80T03_MOUSE
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InterPro; IPR006207; Cys_knot_C
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01-JUN-2003,
01-JUN-2003,
07-FEB-2006,
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SEQUENCE
EMBL; AY184388; AAO47735.1; -; Genom EMBL; AY184385; AAO47735.1; JOINED; EMBL; AY184386; AAO47735.1; JOINED; EMBL; AY184387; AAO47735.1; JOINED; HSSP; O46166; 1KJO.
MGI; MGI:2663233; Muc6.
                                                                                                                                                                                                             Desseyn J.-L., Laine A.; "Characterization of mouse muc6 and evidence of conservation gel-forming mucin gene cluster between human and mouse."; Genomics 81:433-436(2003).
                                                                                                                                                                                                                                                                                                                                                                                                           Mus muscullus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
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Q80T03;
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Buarchontoglires; Glires; Rodentia; Sciurogna
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                              Copyrighted by the UniProt Consortium, see http://www.uniprot.org/toDistributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                   MEDLINE=22563400; PubMed=12676567; DOI=10.1016/S0888-7543(03)00036-3;
                                                                                                                                                                                                                                                                                                                            STRAIN=C57BL/6J
                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=10090;
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Name=Muc6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Name=Muc6;
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InterPro; IPR006552; VWC_out.
InterPro; IPR001846; VWF_D.
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HSSP; O46162; 11
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Escande F., Buisi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=C57BL/6J;
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AJ511868; CAD54415.1;
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JOINED; Genomic
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Pred. No. 1.8;
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Best Local
                                                                                                                                                                                                                                                                                                                                                         Q5SU83_MOUSE PRELIMINARY; PRT; 140 AA. Q5SU83; 21-DEC-2004, integrated into UniProtKB/TrEMBL 21-DEC-2004, sequence version 1. 07-FEB-2006, entry version 6.
                                                                                                                                                                                                                                                                                                    07-FEB-2006, entry version 6.
Tumor necrosis factor receptor superfamily, member 13b
Name=Tnfrsf13b; ORFNames=RP23-5512.2-003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NON TER
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro;
InterPro;
   Submitted (FEB-2005)
                                                                                                                                                                  Muroidea; Muridae; Murinae;
                                                                                                                                                                                                     Mammalia; Eutheria;
                                                                                                                                                                                                                                        Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                    Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodent
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumor necrosis factor receptor superfamily, member 13b (Fragment).
Name=Tnfrsf13b; ORFNames=RP23-5512.2-002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-DEC-2004,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pfam; PF01826; TIL; 2
Pfam; PF00094; VWD; 3
SMART; SM00216; VWD; 3
                                      HO1t
                                                                  NUCLEOTIDE SEQUENCE
                                                                                                                              NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q5SU84 MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-DEC-2004,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GO:0004872; F:receptor activity; IEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14;
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12; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CSQNEYFDSLLHACIFCQLRCSSNTPPLT 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PS01225;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CPKDQYWDSSRKSCVSCALTCSQRS-QRTCTDFC 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IPR001846;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IPR002919; Prot_Inh_CR_TIL.
IPR006552; VWC_out.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       74
74 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 35.6%;
nilarity 35.3%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2850 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   entry version 6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         integrated into UniProtKB/TrEMBI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence version 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTCK 2; 1.
A; 300401 MW;
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                                                                                                                                                                                              Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Glires; Rodentia; Sciurogna
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48.3%;
the
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                                                                                                                                                                     Mus
EMBL/GenBank/DDBJ databases
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Pred. No. 0.1;
8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DA8A3B06FE191A26 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9CD95F0845C79C9D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Glires; Rodentia; Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 2; Length 74;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Euteleostomi;
                                                                                                                                                                                                                                                                                                                                       (Fragment)
                                                                                                                                                                                                 Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1;
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                                                    RA Ambesi Impiombato A., Apweller R., Aturallya R.N., Bailey T.L.,
RA Bansal M., Baxter L., Beisel K.W., Bersano T., Bono H., Chalk A.M.,
RA Bansal M., Baxter L., Beisel K.W., Bersano T., Bono H., Chalk A.M.,
RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R.,
RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Growe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Hill D., Pubushima T., Furuno M., Putaki S., Gariboldi M.,
RA Goorgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E.,
RA Gustincich S., Harbers M., Hayashi Y., Hensch T.K., Hirokawa N.,
RA Gustincich S., Harbers M., Hayashi Y., Hensch T.K., Hirokawa T.,
RA Gustincich S., Katoh M., Kawasawa Y., Kelso J., Kitamura H.,
RA Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J.,
RA Kutano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K.,
RA Kutoni S., McWilliam S., Madan Babu M., Madera M., Marchionni L.,
RA Matsuda H., Matsuzawa S., Miki H., Mignone F., Miyake S., Morris K.,
RA Mottagui-Tabar S., Mulder N., Nakano N., Nakauchi H., Ng P.,
RA Milsson R., Nishiguchi S., Nishikawa S., Nori F., Ohara O.,
RA Nilsson R., Orlando V., Pang K.C., Pavan M.J., Pavesi G., Peeole G.,
RA Okazaki Y., Orlando V., Pang K.C., Pavan W.J., Pavesi G., Peeole G.,
Rost B., Ruan Y., Salaberg S.L., Sandelin A., Schneider C.,
Schonbach C., Sekiguchi K., Semple C.A., Sessa L., Sheng Y.,
Shibata Y., Shimada H., Shimada K., Silva D., Sinclair B.,
Shibata S., Stupka E., Sugiura K., Sultana R., Takenaka Y., Taki K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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Schonbach C., Sekigucii.
Schonbach C., Shimada H., Shimada
Shibata Y., Shimada H., Shimada
Charling S., Stupka E., Sugiura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE=Spleen;
MEDLINE=21177254; PubMed=10881172; DOI=10.1038/76889;
Wan M., Marsters S.A., Grewal I.S., Wang H., Ashkenazi A., Dixit V.
"Identification of a receptor for BLyS demonstrates a crucial role humoral immunity.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Carninci P., Kasukawa T., Katayama S., Gough J., Frith Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zav Bayis M.J., Wilming L., Batalov S., Allen J.E., Bataloris V., Batalori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=C57BL/6J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tumor necrosis factor receptor superfamily member 13B (Transmembrane activator and CAML interactor).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-MAR-2001, sequence version 07-FEB-2006, entry version 28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q9ET35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TR13B MOUSE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE [MRNA].
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurogna
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Shimokawa
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                                                                                                                                                                                                                                                                                                                                                                                    Morris K.,
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                                                                                                                         Sheng Y.,
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)kawa K.,
                                               Taki K.
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Theill L.E., Colombero A., Sclovyev I., Lee F., McCabe S., Elliott Miner K., Hawkins N., Guo J., Stolina M., Yu G., Wang J., Delaney Meng S.-Y., Boyle W.J., Hsu H.;
"TACI is a TRAF-interacting receptor for TALL-1, a tumor necrosis factor family member involved in B cell regulation.";
[4] Exp. Med. 192:137-143(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tammoja K., Tan S.L., Tang S., Taylor M.S., Tegner J., Teichmann S.A. Ueda H.R., van Nimwegen E., Verardo R., Wei C.L., Yagi K., Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C., Grimmond S.M., Teasdale R.D., Liu E.T., Brusic V., Quackenbush J., Wahlestedt C., Mattick J.S., Hume D.A., Kai C., Sasaki D., Tomaru Y., Fukuda S., Kanamori-Kattayama M., Suzuki M., Aoki J., Arakawa T., Iida J., Imamura K., Itoh M., Kato T., Kawaji H., Kawagashira N., Kawashima T., Kojima M., Kondo S., Konno H., Nakano K., Ninomiya N., Nishio T., Okada M., Plessy C., Shibata K., Shiraki T., Suzuki S., Nishio T., Okada M., Plessy C., Shibata K., Shiraki T., Suzuki S., Nishio T., Okada M., Plessy C., Shibata K., Shiraki T., Suzuki J., Washini N., Waki K., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   collagen-induced arthritis in mice.";
Nat. Immunol. 2:632-637(2001).

-i- FUNCTION: Receptor for TNRSF13/APRIL and TNRSF13B/TALL1/BAFF/BLYS

-i- that binds both ligands with similar high affinity. Mediates
calcineurin-dependent activation of NF-AF, as well as activation
of NF-kappa-B and AP-1. Involved in the stimulation of B- and T-
cell function and the regulation of humoral immunity (By
similarity).

-i- SUBUNIT: Binds TRAF2, TRAF5 and TRAF6. Binds the NH2-terminal
domain of CAMLG with its C-terminus (By similarity).
                                                                              REPEAT
DISULFID
DISULFID
                                                                                                                                                             TOPO DOM
REPEAT
                                                                                                                                                                                                                                            TOPO DOM
                         DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; AF257673; AAG00081.1; -; mRNA.
EMBL; AK004668; BAB23457.1; -; mRNA.
Ensembl; ENSMUSG00000101142; Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WADLINE=21322748; PubMed=11429548; DOI=10.1038/89782; Wang H., Warsters S.A., Baker T., Chan B., Lee W.P., Fu L., T Yan M., Dixit V.M., Ashkenazi A., Grewal I.S.; "TACI-ligand interactions are required for T cell activation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "The transcriptional landscape of the mammalian genome."; Science 309:1559-1563(2005).
                                                                                                                                                                                                                                                                                                                                                    Immu...
Transmembrane.
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                                                                                                                                                                                                                                                                                                                                                                                                                          GO; GO:0009897; C:external side of plasma membrane; GO; GO:0005887; C:integral to plasma membrane; IDA. GO; GO:0001782; P:B cell homeostasis; IMP. GO; GO:0030889; P:negative regulation of B cell pro. InterPro; IPR001368; TNFR c6.
PROSITE; PS00652; TNFR NGFR 1; FALSE NEG.
PROSITE; PS00650; TNFR NGFR 2; FALSE NEG.
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     DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUBCELLULAR LOCATION: Membrane; single-pass protein (Probable).
SIMILARITY: Contains 2 TNFR-Cys repeats.
                                                                                                                                                                                                                                                                                                                                                                                                         response;
     150
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62
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                                                                                                                                                                                                                                            128
149
                                                                                                                                                                                                                                                                                                                                                                                                       Receptor; Repeat;
TNFR-Cys 2.
By similarity.
By similarity.
By similarity.
By similarity.
By similarity.
                                                                                                                                                                                      protein (Potential)
Cytoplasmic (Potent
                                                                                                                                                                                                                                         Extracellular (Potential)
Signal-anchor for type II
                                                                                                                                                                                                                                                                                                 superfamily member
/FTId=PRO 000005893
                                                                                                                                                             TNFR-Cys
                                                                                                                                                                                                                                                                                                                                                    Tumor necrosis factor receptor
                                                                                                                                                                                                                                                                                                    0000058932
                                                                                                                                                                                               (Potential)
                                                                                                                                                                                                                                                                                                                                                                                                         Signal-anchor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               proliferation;
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10-MAY-2005,
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82 MOUSE
Q5SU82 MOUSE
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CONFLICT
SEQUENCE
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10.MAY-2005, sequence version 1.
07-FEB-2006, entry version 3.
Tumor necrosis factor receptor superfamily, member 13b.
Name=Tnfrsf13b; ORFNames=RP23-5512.2-001;
                                                                                                NUCLEOTIDE SEQUENCE.
PubMed=15081123; DOI=10.1016/j.ygeno.2003.11.003;
PubMed=15081123; DOI=10.1016/j.ygeno.2003.11.003;
                                                                                                                                                                                                                                                                                                                                                             05-JUL-2004, integrated into UniProtKB/TrEMBL 05-JUL-2004, sequence version 1. 07-FEB-2006, entry version 10.
                                                                                                                                                                                                                                                                                                                                                                                                                              Q6W4X9_HUMAN
Q6W4X9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus musculus (Mouse)
                                                                                    Rousseau K.,
Toribara N.W.
                                                                                                                                                                                                                                                                                                                                     Mucin glycoprotein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; AL646093;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=10090;
                            Genomics
                                              genes
                                                                                                                                                                                                NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                      Homo sapiens (Human)
Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                     Name=MUC6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GO; GO:0004872; F:receptor activity; IEA.
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                            83:936-939(2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 646093; CAI25896.1; -; Genomic DNA. ENSMUSG00000010142; Mus musculus.
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137
249 AA;
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137 I
26947 MW;
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                                                                                                                                                                                                                                                   Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Primates; Catarrhini; Hominidae.
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Pred. No. 0.35;
8; Mismatches 13
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Pred. No. 0.
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I -> F (in Ref. 2).
; CB2F2D61C2931D81 CRC64;
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCSK5_MOUSE STANDARU;
Q04592; Q62040;
01-FEB-1995, integrated into
                                                                                                                                              Lusson J., Vieau D., Hamelin J., Day R., Chretien M., Seidah "CDNA structure of the mouse and rat subtilisin/kexin-like PC candidate proprotein convertase expressed in endocrine and nonendocrine cells.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eut
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Muroidea; Muridae; Murinae; Mus.
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Distributed
                                De Bie I., Marcinkiewicz M.,
Bendayan M., Seidah N.G.;
                                                                                                                                                                                                                                                                                              mammalian Kex2-like processing endoprotease structural similarity to PACE4.";
J. Biochem. 113:132-135(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-JAN-2001, sequence version 2. 07-MAR-2006, entry version 59.
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Pfam; PF00094; VWD; 3.
SMART; SM00216; VWD; 3
                                                                       PARTIAL PROTEIN S
MEDLINE=97103178;
                                                                                                                                                                                                                       MEDLINE=93342056; PubMed=8341687;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=93327934; PubMed=8335106; DOI=10.1016/0014-5793(93)80163-0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE [MRNA] OF 330-1877 (ISOFORM STRAIN=ICR; TISSUE=Intestine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCBI_TaxID=10090;
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                                                                                                                                                                                                                                                                                                                                                    "Identification and functional
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                 isoforms of proprotein convertase
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a Kex2-like processing tt. 327:165-171(1993).
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IPR006552; VWC out.
IPR001846; VWF_D.
                                                                                                                                                                                                                                                                                                                                                                                       ., Hosaka M., Torii S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE
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PubMed=8468318;
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Pred. No. 5.8;
2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                       Watanabe T.,
                                                  DOI=10.1083/jcb.135.
le D., Lazure C., Nak
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Name=PCSA; Synonyms=Short;

ISOId=Q04592-2; Sequence=VSP_005438; VSP_005439;

ISOId=Q04592-2; Sequence=VSP_005438; VSP_005439;

ISOId=Q04592-2; Sequence=VSP_005438; VSP_005439;

ISOId=Q04592-2; Sequence=VSP_005438; VSP_005439;

ISOId=Q04592-2; Sequence=VSP_005439;

ISOId=Q04592-2; Sequence=VSP_005
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PIR; A48225; A48225.
PIR; S34583; S34583.
HSSP; P23188; 1P8J.
                                                                                          EMBL; D12619; BAA02143.1;
EMBL; L14932; AAA74636.1;
PIR; A48225; A48225.
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DOI=10.1002/(SICI)1520-6408(1997)21:1<75::AID-DVG9>3.3.CO;2-T;
Rancourt S.L., Rancourt D.E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                implantation, somitogenesis, and skeletal Dev. Genet. 21:75-81(1997).
                                                                                                                                                                                                                                    EMBL; D17583;
                                                                                                                                                                                                                                                                                                                               Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium,
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CATALYTIC ACTIVITY: Release of mature proteins from their CATALYTIC ACTIVITY: Release of mature proteins from their proproteins by cleavage of Arg-Xaa-Yaa-Arg-|-Zaa bonds, where can be any amino acid and Yaa is Arg or Lys.

SUBCELLULAR LOCATION: PC5A is secreted through the regulated secretory pathway. PC5B is a type I membrane protein localized secretory pathway. PC5B is a type I membrane protein localized secretory pathway. PC5B is a type I membrane protein localized secretory pathway.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sorting information. AC 1 directs TGN 10 with the TGN sorting protein PACS-1.
SIMILARITY: Belongs to the peptidase S8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DOMAIN: AC 1 and AC 2 (clusters of acidic amino acisorting information. AC 1 directs TGN localization
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Name=PC5B; Synonyms=Long;
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Pfam; PF00757; Furin-like; 2.

Pfam; PF01483; P_proprotein; 1.

Pfam; PF00082; Peptidase S8; 1.

PRINTS; PR00723; SUBTILISIN.

PRODOM; PD000717; PTPTOTICONVERTSP; 1

SMART; SM00181; EGF; 3.

SMART; SM00261; FU; 22.
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PS00137; SUBTILASE_HIS; 1.
PS00138; SUBTILASE_SER; 1.
CAAVEYWDEGSHRCQPCHKKCSRCSGPSEDQCYTCPR 1517
                                     CSQNEYFDSLLHACIPCQLRCSSNTPP-----LTCQR 32
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IPR006212; Furin repeat.
IPR000209; Pept S8_S53.
IPR002884; PrprotnconvertsP.
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GEYIDDQGHCQTCEASCAKCWGPTQEDCISCPVT
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Proprotein convertase
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Extracellular (Potential).
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EC850E2DF20EA1C3
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ge relay system (By similarity).
ge relay system (By similarity).
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TR13B HUMAN STANDARD; PI
O14036; Q7Z6F5;
27-MAY-2002, integrated into Un
01-JAN-1998, sequence version 1
07-FEB-2006, entry version 45
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Submitted
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Tumor necrosis factor receptor superfamily member 13B
activator and CAML interactor) (CD267 antigen).
Name=TNFRSF13B; Synonyms=TACI;
                                                                                                                                                                                                                                                                                                                                                                                                                      Meng S.-Y., Boyle W.J., Hsu n.,
"TACI is a TRAF-interacting receptor for TALL-1,
"TACI family member involved in B cell regulati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=20519647; PubMed=10956646; DOI=10.1074/jbc.M005224200; Wu Y., Bressette D., Carrell J.A., Kaufman T., Feng P., Taylor K., Gan Y., Cho Y.H., Garcia A.D., Gollatz E., Dimke D., LaFleur D., Migone T.S., Nardelli B., Wei P., Ruben S.M., Ullrich S.J., Olsen H.S., Kanakaraj P., Moore P.A., Baker K.P.; "Tumor necrosis factor (TNF) receptor superfamily member TACI is a high affinity receptor for TNF family members APRIL and BLyS."; J. Biol. Chem. 275:35478-35485(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             necrosis factor receptor superfamily."; Science 278:138-141(1997).
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Eukaryota; Metazoa; Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INTERACTIONS WITH TRAF2 AND TRAF5.

MEDLINE=20341628; PubMed=10880535; DOI=10.1084/jem.192.1.137;

Xia X.-Z., Treanor J., Senaldi G., Khare S.D., Boone T., Kell

Theill L.E., Colombero A., Solovyev I., Lee F., McCabe S., El

Miner K., Hawkins N., Guo J., Stolina M., Yu G., Wang J., Del

Meng S.-Y., Boyle W.J., Hsu H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE=21170294; PubMed=10973284; DOI=10.1038/79802; Yu G., Boone T., Delaney J., Hawkins N., Kelley M.J., McCabe S., Qiu W.R., Kornuc M., Xia X.-Z., Guo J., Stc Boyle W.J., Sarosi I., Hsu H., Senaldi G., Theill L.E. "APRIL and TALL-I and receptors BCMA and TACI: system humoral immunity.";
                                              VARIANT CVID/IGAD2 ARG-104, AND VARIANTS PubMed=16007086; DOI=10.1038/ng1601; Castigli E., Wilson S.A., Garibyan L., Reschneider L., Geha R.S.;
                                                                                                                                                                                                                                            PubMed=15542592; DOI=10.1074/jbc.M411714200; Hymowltz S.G., Patel D.R., Wallweber H.J., R Shriver S.K., Gordon N.C., Pan B., Skelton N Starovasnik M.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE Zhou G., Ke R., Li H
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"NF-AT activation induced by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mammalia;
  deficiency.";
                            "TACI is mutant
                                                                                                                                                                                              a single
                                                                                                                                                                                                 "Structures of APRIL-receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FUNCTION
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                                                                                                                                                                                                                                                                                                                                                                        K-RAY CRYSTALLOGRAPHY (1.9 ANGSTROMS)
                                                                                                                                                                                                                                                                                                                                                 68-109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Immunol. 1:252-256(2000).
                                                                                                                                                                         cysteine-rich
Chem. 280:7218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E SEQUENCE [LARGE SCALE MRNA] (ISOFORM 2).
Ke R., Li H., Zheng G., Shen C., Lin L., Yang S
(MAY-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eutheria; Euarchontoglires;
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                                                                                                                                                                            280:7218-7227 (2005)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PubMed=9311921; DOI=10.1126/science.278.5335.138;
                              common
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                              variable
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Craniata; Vertebrata; Euteleostomi;
oglires; Primates; Catarrhini; Hominidae;
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                              immunodeficiency
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n N.J., I
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Kelley
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                              and
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                                                                                                                                                                                                                                                                                                                                                                          STRUCTURE
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ey R.F.,
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., Elliott R.,
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expression have been observed.

-!- DISEASE: Defects in TNFRSF13B are a cause of immunoglobulin A deficiency 2 (IGAD2) [MIM:609529]. Selective deficiency of immunoglobulin A (IGAD2) is the most common form of primary immunodeficiency, with an incidence of approximately 1 in 600 individuals in the western world. Individuals with symptomatic IGAD often have deficiency of IgG subclasses or decreased antibody response to carbohydrate antigens such as pneumococcal polysaccharide vaccine. Individuals with IGAD also suffer from recurrent sinopulmonary and gastrointestinal infections and have an increased incidence of autoimmune disorders and of lymphoid and nonlymphoid malignancies. In vitro studies have suggested that some individuals with IGAD have impaired isotype class switching to IgA and others may have a post-switch defect. IGAD and CVID have been known to coexist in families. Some individuals initially present with IGAD1 and then develop CVID. These observations suggest that some cases of IGAD and CVID may have a common
InterPro;
PROSITE; F
PROSITE; F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nat.
                                                                                                                                                                    MIM; 609529; phenotype.
GO; GO:0005887; C:integral to plasma membrane;
GO; GO:0005515; F:protein binding; IPI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          intestine and peripheral blood leukocytes. Expressed in resting B-cells and activated T-cells, but not in resting T-cells and activated T-cells, but not in resting T-cells.

ISEASE: Defects in TNFRSF13B are a cause of common variable immunodeficiency (CVID) [MIM:240500]. CVID is characterized by a deficiency in all immunoglobulin (Ig) isotypes. Individuals with CVID suffer from recurrent sinopulmonary and gastrointestinal infections and have an increased incidence of autoimmune disorders and of lymphoid and nonlymphoid malignancies. There is evidence for a global isotype switching defect in some individuals with CVID. But CVID is a complex and heterogeneous disease in which defects in B-cell survival, number of circulating CD27+ memory B cells (including IgM+CD27+ B cells), B-cell activation after antigen receptor cross-linking, T-cell signaling and cytokine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <u>:</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL; AF023614; AAC51790.1; -; mRNA
EMBL; AY302137; AAP57629.1; -; mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Distributed under the Creative
                                                                                                                                                                                                                                                                                                                                                                                    Ensembl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 PDB; 1XU1; X-ray; R/S/T=68-109
PDB; 1XUT; NMR; A=68-109.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Copyrighted by
                                                                    GO:0004872; F:receptor activity; TAS: GO:0007166; P:cell surface receptor lerPro; IPR001368; TNFR_c6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FUNCTION: Receptor for TNFSF13/APRIL and TNFSF13B/TALLI/BAFF/BLYS that binds both ligands with similar high affinity. Mediates calcineurin-dependent activation of NF-AP, as well as activation of NF-kappa-B and AP-1. Involved in the stimulation of B- and T-cell function and the regulation of humoral immunity. SUBUNIT: Binds TRAP2, TRAP5 and TRAP6. Binds the NH2-terminal domain of CAMLG with its C-terminus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FUNCTION:
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ALTERNATIVE PRODUCTS:
Event=Alternative splicing; Named isoforms=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INTERACTION:
075888:TNFSF13; NbExp=1; IntAct=EBI-519160,
09Y275:TNFSF13B; NbExp=4; IntAct=EBI-519160,
SUBCELLULAR LOCATION: Membrane; single-pass
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SIMILARITY: Contains 2 TNFR-Cys repeats.
                                                                                                                                                                                                                                            604907;
609529;
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                                                                                                                                                                                                                                                                                                                                                bl; ENSG00000108516; HGNC:18153; TNFRSF1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IsoId=014836-1;
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       PS00652;
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                                                                                                                                                                                                                                                                         gene.
                                                                                                                                                                                                                                                                                                             phenotype.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the UniProt Consortium,
TNFR_NGFR_1;
TNFR_NGFR_2;
                                                                                                                                                                                                                                                                                                                                                    TNFRSF13B
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   FALSE_NEG
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Attribution-NoDerivs License
                                                                                                       linked signal
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, EBI-519169;
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RASULT 15
Q4ACX1 HUMAN
ID Q4ACX1 H
AC Q4ACX1 A
DT 13-SEP-2
DT 13-SEP-2
DT 07-FEB-2
DE TACI.
GN Name=TAC
OS HOMO SAP
OC Eukaryot
OC Mammalia
OC Mammalia
OC MAMME ITAX
OX NCBI_Tax
RN [1]
RA Kawasaki
RA Matsuta
RT "New pol
RL Submitte
RN [2]
RP NUCLEOTI
RA Kawasaki
RA Kawasaki
RA Kawasaki
RA Kawasaki
RA Kawasaki
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Best Local
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13-SEP-2005,
07-FEB-2006,
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HELIX
SEQUENCE
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HELIX
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                           Kawasaki A., Tsuchiya
Matsuta K., Hashimoto
"New polymorphisms of
Submitted (JUL-2005) t
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HELIX
TURN
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NUCLEOTIDE SEQUENCE.
Kawasaki A., Tsuchiya
                                                                                                          Eukaryota; Metazoa;
                                                                                                                  Homo sapiens
                                                                                                                            Name=TACI;
                                                                                                                                                                              Q4ACX1_HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                  STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                    VARIANT
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                                                                                                                                                                                                                                                                                                                                                                 STRAND
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                                                               NUCLEOTIDE SEQUENCE
                                                                               _TaxID=9606;
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                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                            CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
                                                                                                                                                                                                                                            CSONEYFDSLLHACIFCQLRCSSNTPPLTCQRYC
                                                                                                 Eutheria;
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128
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                                                                                                (Human).
etazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                           entry version
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32.4%;
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                          , Kusaoi M., Murakami )
, Tokunaga K.;
.man BAFF-R gene.";
the EMBL/GenBank/DDBJ o
 Kusaoi M.,
                                                                                                                                                                                                                                                               8
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By similarity.
By similarity.
                                                                                                                                                                                                                                                                      Score 66.5;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumor necrosis factor receptor superfamily member 13B.
/FTId=PRO 0000058931.
Extracellular (Potential).
Signal-anchor for type III mem
                                                                                                                                                                                                                                                                                                                                                                                                                                   FPQGLWTGVAMRSCPEEQYWDPLLGTCMSCKTICNHQSQRT
CAAFCR -> W (in isoform 2).
/FIId=VSp 013798.
C -> R (in CVID and IGAD2).
/FTId=VAR 024027.
A -> G (in CVID).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N-linked (GlcNAc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein (Potential).
Cytoplasmic (Potential)
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                                                                                                                                                                                PRT;
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                                                                                                                                                                                                                                                                Mismatches
 Murakami T.,
                                                                                                                                                                                293
                                                                                                 Primates; Catarrhini; Hominidae
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                            databases
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  Fukazawa
                                                                                                                                                                                                                                                                Indels
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RESULT 16
Q53F36 HUMAN
ID Q53F36 HWAN
ID Q53F36 HAY 2
DT 24-MAY 2
DT 70,FEB-2
DT 70,FEB-2
DX HOMO SAP
OC HOMO .

OX NCBI TAX
RN [1]
RC TISSUE-S
RX MEDLINE-
RA MARYYAMA
RT GENE 138
RN NUCLEOTI
RC TISSUE-S
RX MEDLINE-
RA SUZUK' Y
RT "CONSETU
RT Gene 200
RN [2]
RP NUCLEOTI
RC TISSUE-S
RX MEDLINE-
RA SUZUK' Y
RT "CONSETU
RT GENE 200
RN [3]
RP NUCLEOTI
RC TISSUE-S
RA TOCK' Y
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Query Match
Best Local S
Matches 11
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Best Local Similarity
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Q53F36;
24-MAY-2005,
24-MAY-2005,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InterPro;
PROSITE; F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matsuta H., Hashimoto H., Tokunaga K.;
"New polymorphisms of human TACI gene.";
Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                 Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=98038986; PubMed=9373149; DOI=10.1016/S0378-1119(97)00411-3; Suzuki Y., Yoshitomo K., Maruyama K., Suyama A., Sugano S.; "Construction and characterization of a full length-enriched and a 5 end-enriched cDNA library.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Maruyama K., Sugano S.;
"Oligo-capping: a simple method to replace the eucaryotic mRNAs with oligoribonucleotides.";
Gene 138:171-174(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-FEB-2006, entry version 4.
Tumor necrosis factor receptor 13B variant (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL; AB222991; BAE16555.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                               Totoki Y., Toyoda A., Takeda T., Sakaki Y., Tanaka A., Yokoyama Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Small intestine;
MEDLINE=94171032; PubMed=8125298; DOI=10.1016/0378-1119(94)90802-8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9606;
                                                                                                                                                                          PROSITE; PS00652; THER_NGFR_1; UNKNOWN_1
                                                                                                                                                                                                                                                                                                                                    Distributed under the Creative Commons Attribution-NoDerivs
                                                                                                                                                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE-Small intestine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gene 200:149-156(1997).
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                                                                                                      SEQUENCE
                                                                                                                                                                                                                                                           Ensembl;
                                                                                                                                                                                                          nterPro;
                                                                                                                                                                                                                             L; AK223453; BAD97173.1; -; mRNA.
embl; ENSG00000108516; Homo sapiens.
GO:0004872; F:receptor activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              34
  11;
                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; IPR001368; TNFR_c6.
PS00652; TNFR_NGFR_1; UNKNOWN_1.
293 AA; 31816 MW; 411799F3DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
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                                                                                                                                                                                                             IPR001368; TNFR
                                                                                                      293 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             intestine;
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31846 MW;
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                           33.1%;
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Pred. No. 1.
                           Score 66.5;
Pred. No. 1.
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                                                                                                         D9EA2F28B3BF466D CRC64;
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        Mismatches
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                                                      DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 34
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     14;
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CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34

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RESULT 18
Q99ND0 MOUSE
ID Q99ND0,
AC Q99ND0,
DT 01-JUN-2
DT 07-FEB-2
DT 2AN (220)
GN Name=Zan
OS Mus musc
OC Eukaryott
OC Mammalia
OC Muroidea
OC MUCBI_Tax
RN [1]
RP NUCLEOTI
RC STRAIN-1
RX MEDLINE-
RA Wilson M
RA Cheung T
RA Wilson M
RA Wilson W
RT "Compara
RT "Compara
RT "Compara
RT Nucleic
RN [2]
RP NUCLEOTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2786J77
2786J7
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Best Local S
Matches 13
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J7 GIALA
Q7R6J7 GIALA
Q7R6J7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q99ND0 MOUSE
Q99ND0;
01-JUN-2001,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro; IPR006210; EGF.
InterPro; IPR0062049; EGF laminin.
InterPro; IPR006212; Furin_repeat.
SMART; SM00261; FU; 2.
PROSITE; PS01248; EGF LAM 1; UNKNOWN 1
SEQUENCE 1025 AA; 109045 MW; 362811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Olsen G.J., Sogin M.L.;
"Draft sequence of the Giardia lamblia genome.";
Submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN-WB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Diplomonadida; Hexamitidae; Giardiinae; Giardia
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Giardia lamblia ATCC
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                                                                                                                                        MEDLINE=21138439; PubMed=11239002; DOI=10.1093/nar/29.6.1352; Wilson M.D., Riemer C., Martindale D.W., Schnupf P., Boright i Cheung T.L., Hardy D.M., Schwartz S., Scherer S.W., Tsui L.-C Miller W., Koop B.F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; AACB01000001; EAA43000.1; -; Genomic_DNA.
HSSP; Q9S7B3; 1EHD.
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                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-JUN-2001, sequence 07-FEB-2006, entry ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium, see http://www.uniprot.org/termsDistributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-DEC-2003,
                                                          "Comparative analysis of the gene-dense ACHI chromosome 7q22 with the orthologous region Nucleic Acids Res. 29:1352-1365(2001).
                                                                                                                                                                                                                                                                                                  NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Name=zan;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZAN (Zonadhesin).
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      NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    preliminary data.
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                                                                                                                                                                                                                                                                                               SEQUENCE.
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22
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Pred. No. 9.4;
5; Mismatches 13;
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                                                                                            ACHE/TFR2 region
gion on mouse chro
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                                                                                            on human
omosome 5.";
                                                                                                                                                                                L.-C.,
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                                                                                                                                                                                                                  A.P.,
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RRRRR COCCOCTOTION
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ZAN MOU
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Pfam; PF00108; EGF; 11.
Pfam; PF00008; EGF; 1.
Pfam; PF000629; MAM; 3.
Pfam; PF00629; TIL, 25.
Pfam; PF02345; TIL, 25.
Pfam; PF02345; TIL, 25.
Pfam; PF00094; VWD; 4.
SMART; SM00101; EGF; 2.
SMART; SM00215; VWC; 0ut; 1.
SMART; SM00215; VWC; 4.
SMART; SM00216; VWD; 4.
                                                                                                                                                                                                                                                                                                                                                                                  ZAN MOUSE
088799; CO8647;
27-APR-2001, integrated into U
01-NOV-1998, sequence version
07-MAR-2006, entry version 50.
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PROSITE; PS01186; EGF 2; 18.
PROSITE; PS00266; EGF 3; 1.
PROSITE; PS00740; MAM 1; 1.
PROSITE; PS50060; MAM 2; 3.
SEQUENCE 5374 AA; 579550 MW; 90
                                                                                                                                                                                                              Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro; IPR002919; Prot_Inh_CR_TIL.
InterPro; IPR003328; TILa_Cysrich.
InterPro; IPR006552; VWF_Out.
InterPro; IPR001007; VWF_C.
InterPro; IPR001846; VWF_D.
Pfam; PF02363; C_triplex; 20.
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Cheung T.L., Wilson M.D., Koop B.F., Hardy D.M.;
Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
                                                                             TISSUE=Testis;
MEDLINE=98123114; PubMed=9452463; DOI=10.1074/jbc.273.6.3415;
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InterPro; IPR000742; EGF 3.
InterPro; IPR000706209; EGF like.
InterPro; IPR013032; EGF like reg
InterPro; IPR003845; Fol N.
InterPro; IPR000998; MAM.
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GO; GO:0007339; P:binding of sperm to zona
GO; GO:0007155; P:cell adhesion; IEA.
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EMBL; AY046056; AAL04416.1; -; Genomic DNA.
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                                                         Gao Z.,
                                                                                                                                      NUCLEOTIDE SEQUENCE
                                                                                                                                                                                       NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                             Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                       Name=Zan;
                                                                                                                                                                                                                                                                                                                                                              Zonadhesin precursor.
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                                                         Garbers D.L.;
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diversity in the structure of zonadhesin, protein containing multiple cell adhesion
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Pred. No. 70;
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Pfam; PF02363; C tripleX; 18.
Pfam; PF03128; CXXXC; 11.
Pfam; PF00008; EGF; 1.
Pfam; PF00629; MAM; 3.
Pfam; PF001826; TIL; 25.
Pfam; PF001826; TIL; 25.
Pfam; PF000345; TIL; assoc; 25.
Pfam; PF000345; TUD; 4.
SMART; SM00181; EGF; 2.
SMART; SM00214; VWC; 17.
SMART; SM00215; VWC; 0ut; 1.
SMART; SM00215; VWD; 4.
PROSITE; PS00022; EGF=1; 1.
PROSITE; PS00022; EGF=1; 1.
PROSITE; PS00026; EGF=3; 1.
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InterPro; IPR006709; EGF like_reg.
InterPro; IPR013032; EGF_like_reg.
InterPro; IPR00345; Fol_N.
InterPro; IPR003945; Fol_N.
InterPro; IPR000998; MAM.
InterPro; IPR000999; Prot_Inh_CR_TII
InterPro; IPR00328; TILa_CysTich.
InterPro; IPR006552; VWC_out.
InterPro; IPR001007; VWF_C.
InterPro; IPR001007; VWF_D.
Pfam; PF02363; C_tripleX; 18.
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GO; GO:0005615; C:extracellular space; TAS.
GO; GO:0016021; C:integral to membrane; TAS.
InterPro; IPR006210; EGF.
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EMBL; U83190; AAC53125.1;
ENR; T42215; T42215.
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Genomics 41:119-122(1997)
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J. Biol. Chem. 273:3415-3421(1998)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=97271566; PubMed=9126492; DOI=10.1006/geno.1997.4620
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       similarity).
SIMILARITY: Contains 1 EGF-like domain.
SIMILARITY: Contains 3 MAM domains.
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/FTId=PRO_0000007784.
Extracellular (Potential).
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                           Length 5376;
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Y5 GIBZE
Q4I0Y5 (
Q4I0Y5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=5518;
                                                                                                                                   SMART; SM00066; GAL4;
                                                                                                                                                                                                                                                                                                                              Copyrighted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=PH-1 /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hypothetical protein. ORFNames=FG09123.1;
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16-AUG-2005,
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                             31.8%;
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1 CSQNEYFDSLLHACIP-CQLRCSSNTP--PLTCQRYC 34

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RA Birren B.W., Nusbaum C., Abouelleil A., Allen N., Anderson S.,
RA Birren B.W., Nusbaum C., Bastien V., Bloom T., Boguslavkiy L.,
RA Arachchi H.M., Barna N., Bastien V., Bloom T., Boguslavkiy L.,
RA Boukhgalter B., Butler J., Calvo S.E., Camarata J., Chang J.,
RA Boukhgalter B., Butler J., Cook A., Cooke P., Corum B., DeArellano K.,
RA Choepel Y., Collymore A., Cooke A., Cooke T., Elkins T., Engels R.,
RA Choepel Y., Collymore A., Cooke P., FitzGerald M., Gage D.,
RA Erickson J., Faro S., Ferreira P., FitzGerald M., Gage D.,
RA Erickson J., Faro S., Ferreira P., FitzGerald M., Gage D.,
RA Galagan J.E., Gardyna S., Gnerre S., Graham L., Grand-Pierre N.,
RA Galagan J.E., Gardyna S., Gnerre S., Graham L., Grand-Pierre N.,
RA Hafez N., Hagopian D., Hagos B., Hall J., Horton L., Hulme W.,
RA Iliev I., Jaffe D., Johnson R., Jones C., Kamal M., Kamat A.,
Lui A., Ma L.-J., Mabbitt R., MacLean C., Macdonald P., Major J.,
RA Manning J., Matthews C., Mauceli E., McCarthy M., Meldrim J.,
RA Maratas A., Kells C., Landers T., Levine R., Naylor J., Nguyen C.,
RA Micol R., Nielsen C.B., Norbu C., O'Connor T., O'Donnell P.,
RA O'Neil D., Oliver J., Peterson K., Phinkhang P., Pierre N.,
RA Purcell S., Rachupka A., Ramasamy U., Raymond C., Retta R., Rise C.,
RA Rogov P., Roman J., Schauer S., Schupback R., Seaman S., Severy P.,
RA Stubbs M., Talamas J., Tesfaye S., Theodore J., Topham K., Travers M.,
RA Vassiliev H., Venkataraman V.S., Viel R., Vo A., Wang S., Wilson B.,
wn X. Wyman D., Young G., Zainoun J., Zembek L., Zimmer A., Zody M.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AACM01000370; EAA78173.1; -; Genomic_DNA.
GO; GO:0006534; C:nucleus; IEA.
GO; GO:0046872; F:metal ion binding; IEA.
GO; GO:00046872; F:metal ion binding; IEA.
GO; GO:0003700; F:transcription factor activity; IEA.
GO; GO:000370; F:zinc ion binding; IEA.
GO; GO:0006350; F:regulation of transcription, DNA-dependent; IEA.
GO; GO:0006350; P:transcription; IEA.
InterPro; IPR001138; Fungi Trscrp_N.
Pfam; PF00472; Zm_clus; 1.
Pfam; PF00472; Zm_clus; 1.
                                                                                                                                                                                                                                                                                                            PROSITE; PS50048; ZN2_CY6_FUNGAL_2; 1.
Complete proteome; DNA-binding; Hypothetical protein; Metal-binding;
Nuclear protein; Transcription; Transcription regulation; Zinc.
SEQUENCE 762 AA; 84756 MW; 55B25D037F21A35A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Fusarium graminearum genome sequence.";
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
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Eukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes;
Hypocreomycetidae; Hypocreales; Nectriaceae; Gibberella.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Distributed under the Creative Commons Attribution-NoDerivs License
                                              13
ACIPCQ---LRCSSNTPPLTCQR----YC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            by the UniProt Consortium, see http://www.uniprot.org/terms
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                                                                                                                                      Score 64; DB Pred. No. 11; 3; Mismatches
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Вb

ACVPCQNSKKRCDSQSPCANCRRRDCIPYC 46

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X7 ENTHI
Q50LY7 ENTHI
Q50LY7;
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                                                                                                                                                                                                                                                                                           PROSITE; PS00107; PROTEIN_KINASE_ATP; 1.
PROSITE; PS50011; PROTEIN KINASE DOM; 1.
PROSITE; PS00108; PROTEIN KINASE ST; 1.
ATP-binding; Kinase; Nucleotide-binding;
Serine/threonine-protein kinase; Transferase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GO; GO:0005524; F:ATP binding; IEA.
GO; GO:000166; F:nucleotide binding; IEA.
GO; GO:00004674; F:protein serine/threonine kinase activity;
GO; GO:0004674; F:protein-tyrosine kinase activity; IEA.
GO; GO:0004713; F:protein-tyrosine kinase activity; IEA.
GO; GO:0006468; P:protein amino acid phosphorylation; IEA.
InterPro; IPR006212; Furin repeat.
InterPro; IPR006217; Ser_thr_bkinase.
InterPro; IPR002290; Ser_thr_bkinase.
InterPro; IPR001245; Tyr_pkinase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JUN-2005, integrated into Unil
07-JUN-2005, sequence version 1.
07-FEB-2006, entry version 6.
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PubMed=15729342; DOI=10.1038/nature03291;
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Entamoeba histolytica HM-1:IMSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pfam; PF00069; Pkinase; I.
PRINTS; PR00109; TYRKINASE.
Probom; PD000001, Prot_kinase; 1.
SMART; SM00261; FU; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Copyrighted by the UniProt Consortium,
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                                                                                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                               NON TER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; AAFB01001427; EAL42605.1; -;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Distributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Protein kinase,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      preliminary data.
SIMILARITY: Belongs to the Ser/Thr protein kinase family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CAUTION: The sequence shown here is derived EMBL/GenBank/DDBJ whole genome shotgun (WGS)
   137
                                                                                                                                                     Similarity
                                                         CSQNEYFDSLLHACIPCQ---LRCSSNTPPLTCQ 31
CODNYYYDKELOSCVGCSSECLTCSNKDICFTCK
                                                                                                                                                                                                                                               799 AA;
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                                                                                                                                                                                                                                               91662 MW;
                                                                                                                                                  31.6%;
                                                                                                                     <u>ن</u>
                                                                                                                                                  Score 63.5;
Pred. No. 1:
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                                                                                                                                                                                                                                               D8BFE2F2E235989E CRC64;
                                                                                                                     Mismatches
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) entry which
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RESULT 23
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DT 07-JII
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Matches 12
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1. C. WELL, Genbank, DDBJ whole genome shotgun (WGS) entry which is EMBL, Genbank, DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PT4 ENTHI
Q50PT4 ENTHI PRELIMINARY;
Q50PT4;
Q50PT4;
07-JUN-2005, integrated into
07-JUN-2005, sequence versio
07-FEB-2006, entry version 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JUN-2005, integrated into u
07-JUN-2005, sequence version
07-FEB-2006, entry version 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q50Y51
   PubMed=15729342; DOI=10.1038/nature03291;
Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson i.
Loftus B.J., Roncaglia P., Berriman M., Hitt R.P., Mann B.J., Nt
Amedeo P., Roncaglia P., Berriman M., Hitt R.P., Mann B.J., Nt
Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
Hofer M., Bruchhaus I., Willhoeft U., Bhattacharya A.,
Chillingworth T., Churcher C.M., Hance Z., Harris B., Harris I
Chillingworth T., Churcher C.M., Hance Z., Harris B., Harris I
Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,
                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE.
STRAIN=HM-1:IMSS;
                                                                                                                                                                                                                                                                                                                                                                                                                                Receptor protein kinase, putative ORFNames=359.t00009;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SMART; SM00261; FU; 2.
NON_TER 1 1
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ORFNames=141.t00017;
Entamoeba histolytica HM-1:IMSS
                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=294381;
                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Entamoebidae;
                                                                                                                                                                                                                                                                                                                                                                                              Entamoeba histolytica HM-1:IMSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AAFB01000471; EAL46536.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PubMed=15729342; DOI=10.1038/nature03291;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=HM-1: IMSS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Entamoebidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               802 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           90127 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         into UniProtKB/TrEMBL
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                                                                                                                                                                                                                                                                                                                                                                   Entamoeba
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1150
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                                               Harris D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    G2_ASPOR
Q2UIG2_ASPOR
Q2UIG2;
Machida M., Asai K., Sano M., Tanaka T., Kumagai T., Terai G., Kusumoto K., Arima T., Akita O., Kashwagi Y., Abe K., Gomi K., Horiuchi H., Kitamoto K., Kobayashi T., Takeuchi M., Denning D.W., Galagan J.E., Nierman W.C., Yu J., Archer D.B., Bennett J.W., Bhatnagar D., Cleveland T.E., Fedorova N.D., Gotoh O., Horikawa H., Hosoyama A., Ichinomiya M., Igarashi R., Iwashita K., Juvadi P.R., Kato M., Kato Y., Kin T., Kokubun A., Maeda H., Maeyama N., Kato M., Nagasaki H., Nakajima T., Oda K., Okada K., Paulsen I., Sakamoto K., Sawano T., Takahashi M., Takase K., Terabayashi Y., Wortman J.R., Yamada O., Yamagata Y., Anazawa H., Hata Y., Koide Y., Komori T., Koyama Y., Minetoki T., Suharnan S., Tanaka A., Isono K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AAFB01000933; EAL43605.1; -; Genomic_DNA. GO; GO:000524; F:ATP binding; IEA. GO; GO:0004674; F:protein serine/threonine kinase activity; IEA. GO; GO:0004674; F:protein-tyrosine kinase activity; IEA. GO; GO:0004713; F:protein-tyrosine kinase activity; IEA. GO; GO:0004872; F:receptor activity; IEA. GO; GO:0006468; P:protein amino acid phosphorylation; IEA. InterPro; IPR006212; Furin repeat. InterPro; IPR00719; Prot kinase. InterPro; IPR007719; Prot kinase. InterPro; IPR007290; Ser_thr_pkinAS. InterPro; IPR007290; Ser_thr_pkinAS. InterPro; IPR007290; Ser_thr_pkinase. InterPro; IPR007290; Ser_thr_pkinase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-JAN-2006, integrated into U
24-JAN-2006, sequence version
07-MAR-2006, entry version 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Whitehead S., Quail M.A., Rabbinowitsch E., Norbertczak H., Price Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S., Lohia A., Foster P.G., Sicheritz C., Stroup G., Weber C., Singh U., Mukherjee C., El-Sayed N.M., Petri W.A., Clark C.G., Embley T.M., Barrell B.G., Fraser C.M., Hall N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Predicted protein. ORFNames=A0090023000067;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINTS; PR00109; TYRKINASE.
ProDom; PD000001; Prot_kina
SMART; SM00261; FU; 1.
                                                                                                                                                                                                                                                                                                                                              PubMed=16372010; DOI=10.1038/nature04300;
                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE.
STRAIN=RIB 40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=5062;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eurotiales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Aspergillus oryzae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROSITE; PS00107; PROTEIN_KINASE_ATP; 1.
PROSITE; PS50011; PROTEIN_KINASE_DOM; 1.
PROSITE; PS00108; PROTEIN_KINASE_ST; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pfam; PF02420; AFP; 1.
Pfam; PF00069; Pkinase; 1.
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Nature 433:865-868(2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kinase; Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CGINEYFDVSKLNCLPCKTNCQRCSSAQNC 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1150 AA; 128939 MW; 0DBE7051D4B4E286 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Trichocomaceae; mitosporic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          integrated into UniProtKB/TrEMBL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
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Pred. No. 23;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Trichocomaceae; Aspergillus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16;
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) entry which
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                                                                                                                                                                                                                                                                              , Terai G.,
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                                                         PRINTS; PR00261; LDLRECEPT SMART; SMO0181; EGF; 1. SMART; SMO0192; LDLa; 7. SMART; SMO0195; LY; 2. SMART; SM00602; VPS10; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q7QGV0_ANOGA
Q7QGV0;
15-DEC-2003,
                       PROSITE;
                                              SMART; SN
PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-DEC-2004, sequence version 13.
07-FEB-2006, entry version 13.
ENSANGPO0000012534 (Fragment).
                                                                                                                                                                                                                      9,69
                                                                                                                                                                                                                                                                                                                                          The Anopheles gambiae Sequence Committee; Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases -!- CAUTION: The sequence shown here is derived from an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Anopheles gambiae str. PEST.
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Culicidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kuhara S., Ogasawara N., Kikuchi
"Genome sequencing and analysis
Nature 438:1157-1161(2005).
                                                                                                          Pfam; PF02012; BNR; 6.
Pfam; PF00057; Ldl_recept_a; 7.
Pfam; PF00058; Ldl_recept_b; 4.
PRINTS; PR00261; LDLRECEPTOR.
                                                                                                                                                      InterPro; IPR006210; EGF.
InterPro; IPR002860; Glyco hydro BNR
InterPro; IPR002172; LDL rcpt_A.
InterPro; IPR000033; LDLR.
InterPro; IPR006581; VPS10.
                                                                                                                                                                                                                                                       EMBL; AAAB01008823; EAA05574.2; -; Genomic_
                                                                                                                                                                                                                                                                                 Distributed under the Creative Commons Attribution-NoDerivs
                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted
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                                                                                                                                                                                                                                                                                             Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                  STRAIN-PEST;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN-PEST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORFNames=ENSANGG00000010045;
                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                The Anopheles gambiae Sequence Committee; "Anopheles gambiae re-annotation.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Anophelinae;
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ANOGA
                                                                                                                                                                                                                      GO:0006886; P:intracellular
                                                                                                                                                                                                                               GO:0016020; C:membrane; IEA.
GO:0008565; F:protein transporter
                                                                                                                                                                                                                                                                                                                   preliminary data.
                                                                                                                                                                                                                                                                                                                                EMBL/GenBank/DDBJ whole genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            356 AQDEAFDVSMMHACKAGQLKCISVVPEVVHQYF 388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AP007157; BAE58653.1;
NCE 442 AA; 49080 MW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14;
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                                  PS01209;
PS50068;
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                        PS51120;
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1294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Anopheles.
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                       LDLRB;
                                                LDLRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          58653.1; -; Genomic_DNA.
49080 MW; 7877DD0025B08CA3
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Pred. No. 9.8;
7; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL/GenBank/DDBJ databases
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                                                                                                                                                                                                                                 activity; IEA.
                                                                                                                                                                                                                                                                                             see http://www.uniprot.org/terms
                                                                                                                                                                                                                       transport;
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313 9ACTO
Q3WG13 9ACTO
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11-OCT-2005,
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Q6BFG4;
16*AUG-2004,
16*AUG-2004,
07-FEB-2006,
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Hypothetical protein.
ORFNames=Franean1DRAFT_6385;
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Eukaryota; Alveolata; Ciliophora;
Parameciidae; Paramecium.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gromadka R., Noel B., Blanc I., Dess Cohen J., Meyer E., Sperling L.; "High Coding Density on the Largest".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Paramecium megabase sequencing project.";
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
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SM00181; EGF; 4.

; SM00261; FU; 1.

TE; PS00197; 2FE2S FER 1; UNKNOWN 1.

TE; PS01186; EGF 2; 12.

TE; PS01186; EGF 343824 MW; D8CC6A247876A5A5 CRC64;

CTE; PS01186; LGF 343824 MW; D8CC6A247876A5A5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CR548612; CAH03606.1; -; Pro; IPR006058; 2Fe2S_fd_pro; IPR006210; EGF.
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                                                                                                                                                                                                                                                                                                                                                                                                                                     l Similarity
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Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Zagulski M.;
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07-FEB-2006,
Hypothetical
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178 CAEEL
Q22378;
Q22378;
Q1-NOV-1996;
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Bacteria; Actinobacteria;
Prankineae; Frankiaceae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US DOB Joint Genome Institute (JGI-PGF);
Copeland A., Lucas S., Lapidus A., Barry K., Detter C.,
Hammon N., Israni S., Pitluck S., Richardson P.;
"Sequencing of the draft genome and assembly of Frankia
Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
WormBase; WBGene00020421; T10E10.4. WormBase; T10E10.4; CE25999. GO:0005576; C:extracellular region; GO; GO:0008061; F:chitin binding; IEA.
                                                                                                                                                                                                     EMBL; U39644; AAA80360.2; PIR; T16840; T16840.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US DOE Joint Genome Institute (JGI-ORNL);
Larimer F., Land M.;
"Annotation of the draft genome assembly of Frankia sp.
"Annotation of the draft genome assembly databases
submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases
-!- CAUTION: The sequence shown here is derived from an
-EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry v
preliminary data.
                                                                                                                    IntAct; Q22378; -.
Ensembl; T10E10.4; Caenorhabditis
                                                                                                                                                                                                                                                                                      Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                            investigating biology.";
Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                  The C. elegans sequencing consortium; "Genome sequence of the nematode C. e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=99069613; PubMed=9851916; DOI=10.1126/science.282.5396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE [LARGE STRAIN=Bristol N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea; Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Caenorhabditis elegans.
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192 AA; 2
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Q5JSG7_HUMAN
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InterPro; IPR006149; EB region.
InterPro; IPR000794; Ketoacyl synth.
InterPro; IPR002557; PerA (Chitin bd.
InterPro; IPR003571; Snake_toxin.
InterPro; IPR003571; Snake_toxin.
InterPro; IRR006150; Worm_repeat_1.
Pfam; PF01607; CBM 14; 2.
Pfam; PF01603; EB; 1.
SMART; SM0289; WR1; 7.
                                                                                                                                                                                                EMBL; AL391868; CA140809.1; JOINED; Genc
EMBL; AL353607; CA141234.1; -; Gencomic [
EMBL; AL391868] CA141234.1; JOINED; Genc
EMBL; AL591863; CA141234.1; JOINED; Genc
EMBL; AL589653; CA140809.1; -; Gencomic [
EMBL; AL589653; CA140809.1; JOINED; Genc
EMBL; AL589653; CA140675.1; JOINED; Genc
EMBL; AL589653; CA140675.1; JOINED; Genc
EMBL; AL533607; CA140675.1; JOINED; Genc
EMBL; AL533607; CA140675.1; Gencomic [
GO; GO:0008233; F:peptidase activity; III
GO; GO:0004289; F:subtilase activity; III
GO; GO:0004289; F:subtilase activity; III
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Q5JSG7;
15-FEB-2005,
15-FEB-2005,
07-FEB-2006,
                        InterPro; IPRO06
InterPro; IPRO06
InterPro; IPRO00
InterPro; IPRO02
InterPro; IPRO02
Pfam; PF02420; L
Pfam; PF03860; L
Pfam; PF03863; E
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Eukaryota; Metazoa; Chordata; Craniata; Vertebra
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PROSITE; PS00272; SNAKE TOXIN; UNKNOWN 1.
Complete proteome; Hypothetical protein.
Complete ps66 AA; 102461 MW; B565A3CDD25216D9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Copyrighted by the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.
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Mashreghi-Mohammadi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Proprotein convertase subtilisin\/kexin type 5 (Fragment) Name=PCSK5; ORFNames=RP11-422N19.4-002;
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                                                                             IPR006210; EGF.
IPR006212; Furin repeat.
IPR000209; Pept_58_553.
IPR002884; PrprotnconvertsP.
2420; AFP; 1.
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P_proprotein;
Peptidase_S8;
                                                        DUF326; 2.
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Pred. No. 35;
7; Mismatches 11;
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rimates; Catarrhini; Hominidae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PubMed=15496914; DOI=10.1038/nature03025;

PubMed=15496914; DOI=10.1038/nature03025;

Maillon O., Aury J.-M., Brunet F., Petit J.-L., Stange-Thomann N., Maillon O., Aury J.-M., Brunet F., Ozouf-Costaz C., Bernot A., Micaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B. Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S., Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B., Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B., Bremont C., Skalli Z., Cattolico L., Poulain J., De Berardinis V., Cruaud C., Duprat S., Brottier P., Coutanceau J.-P., Gouzy J., Cruaud C., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S., Wellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J., Lindblad-Toh K., Birren B., Musbaum C., Kahn D., Robinson-Rechavi N., Volff J.-N., Guigo R., Zody M.C., Mesirov J., Carpalli C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Protease.
NON TER
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE.
Genoscope; Whitehead Institute Centre for Genome Research;
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (MGS) entry whi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORFNames=GSTENG00029038001;
Tetraodon nigroviridis (Green puffer).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukharyota; Metazoa; Chordata; Teleostei; Euteleostei; Neoteleostei;
Acanthopterygii; Neopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-JUL-2005, integrated into UniProtks/IIshub.
19-JUL-2005, sequence version 1.
21-FEB-2006, entry version 7.
Chromosome 12 SCAF14996, whole genome shotgun sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ProDom; PD000717; PrprotnconvertsP; 1.
SMART; SM00181; EGF; 1.
SMART; SM00261; FU; 21.
                                                                                                                                                                                                                                                                                                                                                         Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C., Wincker P., Lander E.S., Weissenbach J., Roest Crollius H., "Genome duplication in the teleost fish Tetraodon nigroviridis reveals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q4RTY8_TETNG
Q4RTY8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 the early vertebrate proto-karyotype.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=99883;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nature 431:946-957(2004).
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PS00022;
PS01186;
PS50026;
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EGF_1; 7.
EGF_2; 4.
EGF_3; 4.
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28.0%;
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                                                                                                                                                                                                                                                                              activity;
                                                                                                                                                                                                                                                                                                                                                         see http://www.uniprot.org/terms Attribution-NoDerivs License
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          Pfam; PF00093; VWC; 1.

PRINTS; PR00261; LDLRECEPTOR.

PRINTS; PR01705; TSPIREPEAT.

SMART; SM00231; FA58C; 1.

SMART; SM00192; LDLa; 3.

SMART; SM00209; TSP1; 4.

SMART; SM002014; VWC; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-OCT-1996, integrated 01-OCT-1996, sequence ve: 07-MAR-2006, entry version SCO-spondin (Fragment).
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                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE [MRNA].
TISSUE=Ependymocyte;
MEDLINE=96338614; PubMed=8743952;
MEDLINE=96338614; PubMed=8743952;
Gobron S., Monnerie H., Meiniel R., Creveaux I.,
Lamalle D., Dastugue B., Meiniel A.;
"SCO-spondin: a new member of the thrombospondin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SSPO_BOVIN
P98167;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
                                                                                                 Pfam;
Pfam;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae; Bovinae; Bos.
                                                                                                                                                                                                                                                         Copyrighted by the 
Distributed under
                                                                            Pfam; PF00090; TSP 1; 4. Pfam; PF00093; VWC; 1.
                                                                                                                       Pfam;
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                                                                                                                                                                                                                                                                                                                                                                                                              aggregation."
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                                                                                             erpro; IPR000742; EGF 3.
erpro; IPR013032; EGF like reg.
erpro; IPR0013032; EGF like reg.
erpro; IPR000421; LDL rcpt A.
erpro; IPR002172; LDL rcpt A.
erpro; IPR0002919; Prot Inh CR TIL.
erpro; IPR000884; TSP1.
erpro; IPR000885; TSP 1.
erpro; IPR001007; VWF C.
m; PP00754; F5 F8 type C; 1.
m; PF00057; LdI recept a; 3.
m; PF01826; TIL; 1.
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 PS00022;
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                                                                                                                                                                                                                                                      e UniProt Consortium,
the Creative Commons
EGF_1; FALSE_NEG
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91073 MW;
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24.1%;
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Pred. No. 40;
6; Mismatches
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Attribution-NoDerivs License
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Name=sco-spondin; Bos taurus (Bovine).

sequence entry ver

version

version

integrated

into UniProtKB/TrEMBL

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RESULT
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AC QE
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DT 01
DT 07
DT 07
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Best Local S
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M4 BOVIN

OBSPM4 BOVIN

OBSPM4;

O1-JUN-2002,

O1-JUN-2002,

O7-FEB-2006,

SCO-spondin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PROSITE;
Calcium;
CHAIN
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PS50026; EGF_3; FAI

PS01285; FASGC_1; I

PS01286; FASBC_2; I

PS50022; FASBC_3; I

PS50029; LDLRA_1; I

PS50068; LDLRA_2; I

PS50084; VMFC_2; I

PS50184; VMFC_2; I
                                                                                                                                 Similarity
                                                                                                       LLHACIPCQLRCSSNTPPLTC
                                                                                           VFHACVPCPLTCDDISGOATC 116
                                                                                                                          Conservative
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                                                     PRELIMINARY;
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                                                                                                                         Score 60; DB Pred. No. 42; 3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                       -like domain; Glycoprote:
SCO-spondin.
/FTId=FRO 0000186461.
TSP type-1 1.
EGF-like 1.
EGF-like 2.
TSP type-1 2.
TWFC.
                                                                                                                                                                                                                                                                                                                                                                                   LDL-receptor class F
LDL-receptor class F
LDL-receptor class F
TSP type-1 3
TSP type-1 4
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N-linked
N-linked
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LDL-receptor
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SORORD BRANCE PRESERVED BRANCE PROPERTIES DE LA PROPERTIE DE L
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Pfam;
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Pfam;
                                                                                                                                                                                                                                                          SMART; SM00192; LDLa; 10.
SMART; SM00209; TSP1; 25.
SMART; SM00214; VWC; 3.
                                                                                                                                                                                                                                                                                                                    SMART; SM00041; CT; 1.
SMART; SM00231; FA58C; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE=Subcommissural organ;
MEDLINE=20465125; PubMed=11008217;
DOI=10.1002/1098-1136(200011)32:2<177::AID-GLIA70>3.0.CO;2-V;
                                                                                                                                                                                                                        SMART;
                                                                                                                                                                                                                                           SMART;
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GG; GO:0005179; F:hormone activity; IEA.
GG; GG:0030414; F:protease inhibitor activity;
GG; GO:0007155; P:cell adhesion; IEA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chorda
Mammalia; Eutheria; Lauraa
Pecora; Bovidae; Bovinae;
                                                                                                                                                                                                   PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro;
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; PF07546; EMI; 1.
; PF00754; F5 F8 type_;
; PF00057; Ldl recept;
; PF05375; Pacifastin;
; PF01826; TIL; 10.
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P98162; 11
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SM00216; VWD; 3.
                                                                                                                                                                                                                                                                                                                                                              PR01705; TSP1REPEAT
                                                                                                                                                                                                                                                                                                                                                                                PR00261; LDLRECEPTOR.
                      PS01208;
PS50184;
                                                                             PS01209;
PS50068;
                                                                                                              PS01285; FA58C 1; UNKNOWN 1.
PS01286; FA58C 2; 1.
PS50022; FA58C 3; 1.
PS500261; GLYCO HORMONE BETA 1; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; IPR008085; TSP_1.
; IPR006552; VWC_out.
; IPR001007; VWF_C.
; IPR001846; VWF_D.
                                                                                                                                                                                                   PS01225;
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IPR002919; Prot_Inh_CR_TIL.
IPR008037; Prot_inh_PMP.
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IPR006207; Cys_knot_C.
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IPR000421; FA58_C.
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TIL; 10.
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724C5FB8727E13DA CRC64;
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Query Match

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              RA Richards S., Liu Y., Bettencourt B.R., Hradesky P., Letovsky S.,
RA Richards S., Liu Y., Bettencourt B.R., Wheeler D.A., Worley K.C.,
RA Richards S., Liu Y., Bettencourt B.R., Scherer S.E., Sodergren E.,
RA Richards S., Liu Y., Bettencourt B.R., Wheeler D.A., Worley K.C.,
RA Rives C.M., Metzker M.L., Munzy D.M., Wheeler D.A., Worley K.C.,
RA Havlak P., Durbin K.J., Bgan A., Gill R., Hume J., Morgan M.B.,
RA Allen C., Allen H., Anyalebechi V., Asomugha C., Bellard T.,
RA Allen C., Allen H., Anyalebechi V., Asomugha C., Bellard T.,
RA Allen C., Allen H., Anyalebechi V., Asomugha C., Bellard T.,
RA Cadderon E., Cardenas V., Catter K., Cavazos I., Ceasar H., Chacko J.,
RA Chavez D., Chu J., Cockrell R., Cox C., Coyle M., Davila M., Davis C.,
RA Chavez D., Chu J., Cockrell R., Cox C., Coyle M., Davila M., Davis C.,
RA Chavez D., Chu J., Cockrell R., Cox C., Coyle M., Davila M., Davis C.,
RA Chavez D., Chu J., Cockrell R., Cox C., Coyle M., Davila M., Davis C.,
RA Forbes L., Garner T., Garza M., Ghose S., Grady M., Hamilton C.,
RA Forbes L., Garner T., Garza M., Ghose S., Grady M., Hamilton C.,
RA Hernandez J., Hines S., Houses M., Hollins B., Idlabird D., Imo K.,
RA Kovar C., Lebow H., Iee K., LeGall F., Lewis L., Li Z., London P.,
RA Kovar C., Lebow H., Iee K., LeGall F., Lewis L., Li Z., London P.,
RA Kovar C., Lebow H., Iee K., LeGall F., Meris L., Li Z., London P.,
RA Kovar C., Dandon R., Malloy K., Martinez E., Mercadao C., Miner G.,
RA Kowar C., Parks K., Pasternak S., Patel B., Paul H., Payne C.,
RA Poindexter A., Primus E., Pu L.-L., Puazo M., Quiroz J., Rabata D.,
RA Mang S., Warren J., Warren R., White F., Wleczyk R., Wright R.,
RA Mang S., Warren J., Warren R., White F., Wleczyk R., Wright R.,
RA Noor M.A.F., Schaeffer S.W., Gelbart W., Weinstock G.M., Gibbs R.A.,
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21-FEB-2006, sequence
21-FEB-2006, entry ver
GA20283-PA (Fragment)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=Dpse\GA20283; ORFNames=Dpse_
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (JUN-2005)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Comparative genome sequencing of Drosophila pseudoobscura: chromosomal, gene, and cis-element evolution."; Genome Res. 15:1-18(2005).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human Genome Sequencing Center;
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RESULT 35
Q9VW81_DROME
ID Q9VW81_D
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Best Local
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GO; GO:0005576; C:extracellular region; IEA.

GO; GO:0008061; F:chitin binding; IEA.

GO; GO:0008061; F:chitin metabolism; IEA.

InterPro; IPR002557; PerA_Chitin_bd.

Pfam; PF01607; CBM 14; 4.

SMART; SM00494; ChED2; 3.

PROSITE; PS50940; CHIT BIND II; 4.

SEQUENCE 353 AA; 39712 MW; F5AB27B9A6FF992
Q9VW81 DROME
Q9VW81;
01-MAY-2000,
01-MAY-2000,
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01-JUN-2002,
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; AY071103; AAL48725.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
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NCBI_TaxID=7227;
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DROME
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  sequence version
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                           integrated into UniProtKB/TrEMBL
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Pred. No. 19;
4; Mismatches
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Pred. No. 15
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       RA Addms M.D., Celniker S.E., Holt R.A., Evans C.A., Golayne J.D.,
RA Addms M.D., Celniker S.E., Holt R.A., Evans C.A., Galle R.F.,
RA Bamartides P.G., Scherer S.E., Holt R.A., Evans C.A., Galle R.F.,
RA Goorge R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Goorge R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Button G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Ballew R.M., Boyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Ffannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayrakrarglu L., Beasley E.M.,
RA Besson K.Y., Benos P.V., Bernan B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Bortis K.C., Busam D.A., Butler H., Cadleu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA Cherry J.M., Cawley S., Domes M., Dugan-Rocha S., Fleischmann W.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Ganan P., Harris M.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Ganan P., Harris M.,
RA Harris N.L., Harvey D.A., Heiman T.J., Wei M.-H., Ibegwam C.,
RA Harris N.L., Mattel B., McIntosh T.C., McLeod M.P., Ketchum K.A.,
RA Lasko P., Lei Y., Levitsky A.A., Li J.H., Li Z., Liang Y., Lin X.,
RA Lasko P., Lei Y., Levitsky A.A., Li J.H., Li Z., Liang Y., Lin X.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mangson N., Wolson K.A., Naxon K., Nusskern D.R., Paleb J.M.,
RA Rainert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Syler B., Spradling A.C., Stapleton M., Skupski M.P., Smith T.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Shue B.C., Schen-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Shue B.C., Shen M., Shong W., Zhang S., Zhao Q., Zheng L.,
The College C
                                                                                                                                                                                                                                                                                         Celniker S.E., Wheeler D.A., Kronmiller B., Carlson J.W., Halpet Patel S., Adams M., Champe M., Dugan S.P., Fries E., Hodgson A., George R.A., Hoskins R.A., Lavertty T., Muzny D.M., Nelson C.R., Paceleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren B.J. Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Vent Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M., "Finishing a whole-genome shotgun: release 3 of the Drosophila melanogaster euchromatic genome sequence.";
Genome Biol. 3:RESEARCH0079-RESEARCH0079(2002).
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta;
Neoptera; Endopterygota; Diptera; Brachycera; Muscc
Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                   MEDLINE=22426070; PubMed=12537573;
Kaminker J.S., Bergman C.M., Kronmiller
Patel S., Frise E., Wheeler D.A., Lewis
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CG7348-PA.
ORFNames=CG7348, Dmel_CG7348;
     NUCLEOTIDE SEQUENCE MEDLINE=22426069; Po
                                                                           a genomics perspective.";
Genome Biol. 3:RESEARCH0084.1-RESEARCH0084
                                                                                                                                            Patel S., Frise E., Wheeler Ashburner M., Celniker S.E.;
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                                                                                                    "The transposable elements of the Drosophila melanogaster a genomics perspective.";
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cer S.E., Holt R.A., Evans C.A., Gocayne J.D.,
       PubMed=12537572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PubMed=12537568;
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                                                                                .20(2002
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Halpern

Venter C.

euchromatin:

Svirskas

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RESULT 36
Q5CZ68_HUMAN
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Best Local S
Matches 14
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                                                                               Bloecker H., Boecher M., Brandt P., Mewes H.W., Weil B., Osanger A., Fobo G., Han M., Wiemann S.; Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases
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07-FEB-2006,
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FlyBase; FBgn0036940; CG7348.
GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0008661; F:chitin binding; IEA.
GO; GO:0006030; P:chitin metabolism; IEA.
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Distributed
                                                                                                                        TISSUE=Fetal kidney;
The German cDNA Consortium;
                                                                                                                                                                                                              Mammalia; Eutheria;
                                                                                                                                                                                                                        Homo sapiens (Human)
Eukaryota; Metazoa; (
                                                                                                                                                                                                                                                     Hypothetical protein Name=DKFZp686D20108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro; IPR002557; PerA_Chitin_bd. Pfam; PF01607; CBM 14; 4. SMART; SM00494; ChtBD2; 3. PROSITE; PSS0940; CHIT BIND II; 4. SEQUENCE 353 AA; 39713 MW; 10669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Yu C., Rubin G., "Drosophila melanogaster release 4 sequence." Submitted (MAR-2000) to the EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Berkeley Drosophila Genome Project;
Celniker S., Carlson J., Wan K., Pfeiffer
Hoskins R., Stapleton M., Pacleb J., Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Misra S., Crosby M.A., Mungall C.J., Matthews B.B., Campbell K.S. Hradecky P., Huang Y., Kaminker J.S., Millburn G.H., Prochnik S.E Smith C.D., Tupy J.L., Whitfield E.J., Barrakaaroglu L., Berman B Bettencourt B.R., Celniker S.E., de Grey A.D.N.J., Drysdale R.A., Harris N.L., Richter J., Russo S., Schroeder A.J., Shu S.Q., Stapleton M., Yamada C., Ashburner M., Gelbart W.M., Rubin G.M.,
                                                                                                                                                    NUCLEOTIDE SEQUENCE.
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Distributed under the Creative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Annotation of the Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE
                                                                                                                                                                                _TaxID=9606;
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                CR936873;
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                                                                                                                                                                                                                                                              entry version 4.
protein DKFZp686D20108
                                                                                                                                                                                                                                                                                             sequence version
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             CAI59785.1;
                                          the
                                                                                                                                                                                                           Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Primates; Catarrhini; Homin
                                                                                                                                                                                                                        Chordata;
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                                          Creative Commons
Homo sapiens
                                                    Consortium,
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Pred. No. 19;
4; Mismatches
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Svirskas R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                           Β.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Campbell K.S.,
Prochnik S.E.,
L., Berman B.P.,
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R., Smith
                                                                                                           Amid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11;
                                       License
                                                                                                                                                                                                            Hominidae;
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RX PubMed-14702039; DOI=10.1038/ng1285;
RX Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R.,
RA Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H.,
RA Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H.,
RA Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S.,
RA Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M.,
RA Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M.,
RA Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y.,
RA Takahashi M., Kanda K., Yokoi T., Sato K., Tanikawa M., Yamazaki M.,
RA Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Pujimori K.,
RA Tanai H., Kimata M., Watanabe M., Hirara H., Tanase T., O., Nomura Y.,
RA Tanai H., Kimata M., Watanabe S., Yoshida M., Hotuta T., Kusano J.,
RA Kanehori K., Takahashi-Fujii A., Hara H., Tanase T., O., Nomura Y.,
RA Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N.,
RA Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O.,
RA Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H.,
RA Yumazaki M., Watanabe T., Sugiyama A., Takemoto M., Kawakami B.,
RA Pujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T.,
RA Pujimori Y., Koniyama M., Tashiro H., Tanigami A., Fujiwara T.,
RA Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sagaki M.,
RA Mizushima Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K.,
RA Mizushima Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K.,
RA Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.;
RA Como T., Namara M., Kikuchi H., Masuho Y., Yamashita R.,
RA Mishishami A., Mara M., Ra Mara M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT
Q8NAV8
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Pfam; PF00431; CUB; 1.

Pfam; PF07699; GCC2_GCC3; 3.

SMART; SM00042; CUB; 1.

PROSITE; PS01180; CUB; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-OCT-2002, sequence version 1.
07-MAR-2006, entry version 17.
CDNA FLJ34591 fis, clone MESAN2000909,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sapiens CEGP1 protein (CEGP1), mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-OCT-2002, integrated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  QBNAV8;
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HUMAN
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ENSG00000146197; Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         484 AA; 53895
                                                      by the UniProt Consortium, under the Creative Commons
                                                                                                              36:40-45 (2004).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chordata;
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GCC2_GCC3.
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Pred. No. 27;
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sapiens
                      mRNA
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                                                      see http://www.uniprot.org/terms Attribution-NoDerivs License
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SMARI; SMOULTS; SMOULTS; SMART; SMOULTS; SMOOLTS; SMOOLTS; ASA_

OR PROSITE; PS001180; CUB; 1.

PR PROSITE; PS01186; EGF 2; 4.

PROSITE; PS0026; EGF 3; 3.

PROSITE; PS01187; EGF CA; 3.

PROSITE; PS01187; Hypothetical property of the prope
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Best Local
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InterPro; IPRO11641; GCC2_GCC3
Pfam; PP00431; CUB; 1.
Pfam; PF07699; GCC2_GCC3; 3.
SMART; SM00042; CUB; 1.
PROSITE; PS01180; CUB; 1.
SEQUENCE 581 AA; 64343 MW;
                                                                                                                                                                                                                                                                                            Pfam; PF00008; EGF; 5.
Pfam; PF07645; EGF CA; 2
Pfam; PF07699; GCC2 GCC3
PRINTS; PR00907; THRMBOV
SMART; SM00042; CUB; 1
SMART; SM00181; EGF; 6A;
SMART; SM00179; EGF CA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAR-2005, integrated into UniPro 29-MAR-2005, sequence version 1. 07-FEB-2006, entry version 5. Hypothetical protein DKFZp686B1223 Name=DKFZp686B1223;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Poustka A., Albert R., Moosmayer P., Schupp I., Wellenre Mewes H.W., Weil B., Amid C., Osanger A., Fobo G., Han M Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             InterPro;
InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO; GO:0016020; C:membrane; IEA.
GO; GO:0016020; F:calcium ion binding; IEA.
GO; GO:0005509; F:calcium ion binding; IEA.
GO; GO:0004888; F:transmembrane receptor activity; IEA.
GO; GO:0007596; P:blood coagulation; IEA.
InterPro; IPR000152; Asx_hydroxyl_S.
InterPro; IPR000152; Asx_hydroxyl_S.
InterPro; IPR000859; CUB.
InterPro; IPR000859; EGF.
InterPro; IPR001881; EGF Ca_bd.
InterPro; IPR013031; EGF Ca_bd.
InterPro; IPR013031; EGF Ca_bd.
InterPro; IPR013032; EGF like reg.
InterPro; IPR013032; EGF Ca_bd.
InterPro; IPR013032; EGF Ca_bd.
InterPro; IPR013032; EGF Ca_bd.
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InterPro;
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Q5CZB3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CR936607; CAI56752.1; -; mRNA.
bl; ENSG00000146197; Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                         THRMBOMODULN
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GCC2_GCC3.
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Pred. No. 3;
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الم G., ,
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RESULT 40
Q8NAU9_HUMAN
ID Q8NAU9;
AC Q8NAU9;
AC Q8NAU9;
DT 01-CCT-2002, s
DT 07-MAR-2006, e
DT 07-MAR-2006, e
DE CDNA FLJ34743
DE protein.
OS Homo sapiens (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=B-3501A;
Fung E., Hyman R.W., Rowley D.,
Wickes B.L., Fu J., Davis R.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cryptococcus neoformans var. neoformans B-3501A.
Eukaryota; Fungi; Basidiomycota; Hymenomycetes; Heterobasidiomycetes;
Tremellomycetidae; Tremellales; Tremellaceae; Filobasidiella.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-MAY-2005, integrated into UniProtKB/TrEMBL
24-MAY-2005, sequence version 1.
07-FBB-2006, entry version 3.
Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=283643;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q55NL5_CRYNE
Q55NL5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
                                                                                                                                                                                                                                         Hypothetical SEQUENCE 86
                                                                                                                                                                                                                                                             PROSITE; PS00022; EGF 1; 1.

PROSITE; PS01186; EGF 2; 1.

PROSITE; PS50026; EGF 3; 1.

PROSITE; PS01248; EGF LAM_1; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Cryptococcus neoformans serotype D sequencing."
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ da
-!- CAUTION: The sequence shown here is derived
EMBL/GenBank/DBBJ whole genome shotgun (WGS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORFNames=CNBH0730
                         CDNA FLJ34743
                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; AAEY0100041; EAL19380.1; -; Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                      Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       preliminary data.
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                                                                                                                                                                                                                                                                                                              PF00008; EGF; 1; SM00181; EGF; 3; SM00261; FU; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
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                                                                                                                                                                    CSQNEYFDSLLHACIFCQLRCSSNTPP----LTC 30
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                                     entry version
                                               sequence version
                                                                                                                                                                                                                                                      protein
                                                            integrated into
                         fis, clone
                                                                                     PRELIMINARY;
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                                                                                                                                                                                                      29.6%;
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                         MESAN2009019, moderately similar to CEGP1
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Pred. No. 4
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DB 2

Length 880;

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RA Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R.,
RA Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R.,
RA Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S.,
RA Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S.,
RA Yanamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Yanamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A.,
RA Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M.,
RA Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y.,
RA Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M.,
RA Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K.,
RA Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Chiba Y., Ishida S.,
RA Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J.,
RA Kanehori K., Youki H., Oshima A., Sasaki N., Aotsuka S.,
RA Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N.,
RA Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S.,
RA Moriya S., Momiyama H., Ishima A., Sasaki N., Aotsuka S.,
RA Moriya S., Momiyama H., Satoh N., Takama S., Fukuzumi Y.,
RA Moriya S., Momiyama H., Satoh N., Takama S., Fukuzumi Y.,
RA Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B.,
RA Mishima S., Fujii Y., Ozaki K., Hirao M., Ohmori Y.,
RA Pujimori Y., Kobatake N., Itahura S., Fukuzumi Y.,
RA Motuani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T.,
RA Motuani R., Kawakami T., Noguchi S., Itoh T., Sasaki M.,
RA Misushima S., Sugano J., Stoh T., Shirai Y., Nakagawa K.,
RA Misushima S., Sugano J., Stoh T., Shirai Y., Nakagawa K.,
RA Misushima S., Sugano J., Stoh T., Shirai Y., Nakagawa K.,
RA Mishima K., Watanabe M., Hata H., Watanabe M., Komatsu T.,
RA Misushima S., Sugano J., Stoh T., Shirai Y., Nakagawa K.,
RA Nishimot S., Sugano S., Nakagima Y., Okamoto S.,
RA Mishimot S., Sugano J., Stoh T., Shirai Y., Nakagawa K.,
RA Nishimot M., Sanga M.,
               PÉAM; PF00431; CUB; 1.

PÉAM; PF00408; EGF; 5.

PÉAM; PF07645; EGF CA; 2.

PÉAM; PF07649; GGCZ GCC3; 3.

PFINTS; PR00907; THRMBOMODUIN.

SMART; SM00047; CUB; 1.

SMART; SM000181; EGF; 6.

SMART; SM00181; EGF CA; 3.

PROSITE; PS00101; ASX HYDROXYL; 3

PROSITE; PS01180; CUB; 1.

PROSITE; PS01180; CUB; 1.

PROSITE; PS01187; EGF CA; 3.

PROSITE; PS00187; EGF CA; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GO; GO:0016020; C:membrane; IEA.
GO; GO:0004888; F:cransmembrane receptor ac
GO; GO:0004888; F:transmembrane receptor ac
GO; GO:0007596; P:blood coagulation; IEA.
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Ota T., Suzuki Y., Nishikawa T., Ots
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Copyrighted by the UniProt Consortium,
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Mammalia;
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                                                                                                                                                                                                                                                                                                              ); IPR000152; ASX hydroxyl_S.
); IPR0002859; CUB.
); IPR000210; EGF.
); IPR000742; EGF 3.
); IPR013091; EGF Ca_bd.
); IPR013091; EGF Ca_bd 2.
); IPR013099; EGF like_reg.
); IPR01303; EGF like_reg.
); IPR01303; EGF like_reg.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ENSG00000146197; Homo
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97240 MW;
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F0BDE6E85266FD60 CRC64;
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Attribution-NoDerivs License
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RX Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Rahey J., Halton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Rahesley R.W., Touchman J.W., Green E.D., Dickeon M.C.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickeon M.C.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickeon M.C.,
RA Blakesley R.W., Touchman J.W., Schmutz J., Myers R.M.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human
"Generation and initial analysis of more than 15,000 full-length human
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Best Local 9
                                                    InterPro; IPR000152; Asx_hydroxyl_S.
InterPro; IPR000859; CUB.
InterPro; IPR0008510; EGF.
InterPro; IPR0006210; EGF 3.
InterPro; IPR001881; EGF_Ca_bd.
InterPro; IPR0013091; EGF_Ca_bd_2.
InterPro; IPR013091; EGF_like_reg.
InterPro; IPR011012; EGF_like_reg.
InterPro; IPR011641; GCCZ_GCC3.
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01-MAR-2004,
07-FEB-2006,
                  InterPro; IPRO1
InterPro; IPRO1
Pfam; PF00431;
Pfam; PF00008;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Signal peptide, CUB domain, Name=SCUBE3;
                                                                                                                                                                                                                                         Ensembl; ENSG00000146197; Homo sapiens
GO; GO:0005509; F:calcium ion binding;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q86UZ9 HUMAN
Q86UZ9;
                                                                                                                                                                                                                                                                                                 EMBL; BC052263; AAH52263.2;
                                                                                                                                                                                                                                                                                                                                         Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                            Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                    Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                     Strausberg R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE=Pancreas;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         41
_HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mouse
                                                                                                                                                                                                                                                                                 P35555; 1EMN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CSQNEYFDSLLHACIPCQL------RCSSNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
IPR011641;
00431; CUB; 1
00008; EGF; 6
07645; EGF_CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CSPGHYYNTSIHRCIRCAMGSYQPDFRQNFCSRCPGNT
                                                                                                                                                                                                                                                                                                                                                                                                    (MAY-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      entry version 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sequence version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              integrated into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
CA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29.6%;
28.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                    -; mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EGF-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 59.5;
Pred. No. 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                UniProtKB/TrEMBL
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                                                                                                                                                                                                                                           IEA
                                                                                                                                                                                                                                                                                                                                           Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               expressed
J. Biol. C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pfarr N., Bahr A., Linner, Pfarr N., Bahr A., Linner, Pfark N., Winterpacht A.; "Novel human gene family (CEGF) encoding mosaic proteins with like, STT2R and a CUB module: cloning and expression analysis in the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAR-2003, integrated into UniProtKB/TrEMBL.
01-MAR-2003, sequence version 1.
07-FEB-2006, entry version 22.
CUB and EGF containing protein (Signal peptide, CUB and EGF-like domain containing protein 3 precursor) (OTHUMP00000016250).
Name=SCUBE3; Synonyms=CEGF3; ORFNames=RP3-329A5.4-001;
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SMART;
                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AF452494; AAN76808.1; -; mRNA.
EMBL; AY639608; AAU08347.1; -; mRNA.
EMBL; Z97832; CAI20187.1; -; Genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wu B.T., Su Y.H., Tsai M.T., Wasserman S.M., Topper J.N., "A novel secreted, cell-surface glycoprotein containing mu epidermal growth factor-like repeats and one CUB domain is expressed in primary osteoblasts and bones.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE.
Pfarr N., Bahr A., Cichutek A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                      GO; GO:0005509;
                                                                                                                                                                                                                                                                                                                                                                                Ensembl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Williams
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PubMed=15234972; DOI=10.1074/jbc.M405912200;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QBIX30_HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pfam; PF07699; GCC2_GCC3;
                                                                                 InterPro;
                                                                                                                   InterPro;
                                                                                                                                                        InterPro;
                                                                                                                                                                                          InterPro;
                                                                                                                                                                                                                               InterPro;
                                                                                                                                                                                                                                                                                                                                       HGNC;
                                                                                                                                                                                                                                                                                                                                                                                                              HSSP;
                                                                                                                                                                                                                                                                InterPro;
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T; SM00181; EGF; 9.

T; SM00181; EGF CA; 6.

ITE; PS00100; ASX_HYDROXYL; 6.

ITE; PS01180; CUB; 1.

ITE; PS01180; EGF 2; 7.

ITE; PS01187; EGF CA; 6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                                                                              Z97832; CAI20
P35555; 1EMN.
                                                                                                                                                                                                                                                                                                                                   HGNC:13655;
0005509; F.calcium ion binding; IEA.

o; IPR000152; Asx hydroxyl_S.

o; IPR000859; CUB.

o; IPR006210; EGF.

o; IPR001881; EGF Ca_bd.

o; IPR013032; EGF_like_reg.
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                                                                                                                                                                                                                                                                                                                                                                 ENSG00000146197; Homo sapiens
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                                                                                                                                                                                                                                                                                                                                       SCUBE3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                109165 MW;
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Pred. No. 56;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                               Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    analysis.";
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y multiple
n is highly
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RESULT
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  ALD DETERMINENTATION OF THE PROPERTY OF THE PR
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RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Stapleton M., Ogdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Robast S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Robast S.A., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Ketteman M., Wadan A., Rodrigues S., Sanchez A.,
RA Hitting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J.M., Smailus D.E.,
RA Rodriguez A.C., Grimwood J., Schmutz J.M., Warra M.A.;
"Generation and initial analysis of more than 15,000 full-length human
rand mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q5HYĀB; Q3ZCX3; Q7Z5TB; Q8IZ06;
07-MAR-2006, integrated into UniProtKB/Swiss-Prot.
15-FEB-2005, sequence version 1.
07-MAR-2006, entry version 5.
Meckelin (Meckel syndrome type 3 protein) (Transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Signal.
SIGNAL
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VARIANT MKS3 PRO-376, AND TISSUE SPECIFICITY PubMed=16415887; DOI=10.1038/ng1713;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE=Brain, and Lung;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE=Brain,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Name=TMEM67;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MKS3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SMART;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InterPro;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PF07699; GCC2 GCC3; SM00042; CUB; 1. SM00181; EGF; 9. SM00179; EGF CA; 6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PF00431;
PF00008;
PF07645;
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PF07699; GCC2_GC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; PS00010; ASX HYDROXYL; 6; PS01180; CUB; 1.; PS01186; EGF 2; 7.; PS50026; EGF 3; 6.; PS501287; EGF_CA; 6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (JAN-2005) to the
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08; EGF;
                                                                            Acad.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SCALE MRNA]
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28.9%;
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OF 2-995 (
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Pred. No. 56;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MRNA]
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), AND VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25
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"The transmembrane protein meckelin (MKS3) is mutated in Meckel-Gruber
                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; BX648768; CAI45999.1; -; mRNA.
EMBL; BC031220; AAH31220.1; -; mRNA.
EMBL; BC0322835; AAH32835.1; ALT_INIT; mRNA.
EMBL; BC054338; AAH54338.1; ALT_INIT; mRNA.
EMBL; BC054338; AAH54338.1; ALT_INIT; mRNA.
ENSembl; ENSG00000164953; Homo Sapiens.
                                                                                                       SEQUENCE
                                                                                                                                 VARIANT
                                                                                                                                                          VARIANT
                                                                                                                                                                                    VARSPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
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                                                                                                                                                                                                               VARSPLIC
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                                                                                                                                                                                                                                        TRANSMEM
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                                                                                                                                                                                                                                                                   TRANSMEM
                                                                                                                                                                                                                                                                                                                                                            Polymorphism;
                                                                                                                                                                                                                                                                                                                                                                       Alternative splicing; Disease
                                                                                                                                                                                                                                                                                                                                                                                    InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                               GNC; HGNC:28396; TMEM67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Isoid=Q5HYAB-2; Sequence=VSP_017415, VSP_017416;
Note=No experimental confirmation available;
TISSUE SPECIFICITY: Widely expressed in adult and fetal tissues.
Expressed at higher level in spinal cord.
DISEASE: Defects in TMEM67 are the cause of Meckel syndrome type (MKS3) [MIM:607361]. MKS3 is an autosomal recessive disorder characterized by a combination of renal cysts and variably associated features including developmental anomalies of the central nervous system (typically encephalocele), hepatic ductal dysplasia and cysts, and polydactyly.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LICHE data .... FUNCTION: May be related to the ciliary basal body.
FUNCTION: May be related to the ciliary basal body.
Cell membrane; multi-pass membrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Event=Alternative
                                                                                                                                                                                                                                                                                                                                                                                                  607361;
 49
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                                                                Similarity
                        CSONEYFDSLLHACIPC
CDNNQYFDISALSCVPCGANQRQDARGTSCVCLPGFQMISNNGGPAIICKK
                                                                                                                                                                                                                                                                                                                                                                                il; phenotype.
IPR000150; Hypothet
                                                                                                      995
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570
609
689
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939
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                                                    Conservative
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                                                              29.6%;
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                                                                                                       Μ.:
                                                   9;
                                                              Score 59.5;
Pred. No. 56;
                                                                                                                                                                                                                                                 Potential.
Potential.
Potential.
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Potential.
                                                                                                                  /FTId=VAR_025474.
V -> I (in dbSNP:3134031).
/FTId=VAR_025475.
                                                                                                                                                                                   /FTId=VSP_017415
Missing (in isofo
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                                                                                                                                                                                                                        N-linked (GlcNAc.
                                                                                                                                                                                                                                        Potential
                                                                                                                                                                                                                                                                                         Potential
                                                                                                                                                                                                                                                                                                                                                                       mutation;
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                                                    Mismatches
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RESULT 44
Q4S4Q3_TETNG
ID Q4S4Q3_TETNG

PRELIMINARY;

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RESULT 45
Q321X4 HUMAN
ID Q321X4;
AC Q321X4;
DT 06-DEC-2
DT 06-DEC-2
DT 07-FEB-2
DT 07-FEB-2
DE TNFRSF13
GN Name=TNF
OS Homo sap
OC Eukaryot
OC Mammalia
OC Mammalia
CC MOSI Tax
RN [1]
RP NUCLEOTI
RC TISSUE-P
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A Jaillon O., Aury J.-M., Brunet F., Pettl J.-L., Stange-Thomann N.,

A Maucell E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,

A Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,

A Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,

A Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,

A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

A Anthouard C., Skalli Z., Cattolico L., Poulain J., De Berardinis V.,

Cruaud C., Duprat S., Brottier P., Coutanceau J.-P., Gouzy J.,

Cruaud C., Duprat S., Brottier P., Coutanceau J.-P., Gouzy J.,

A Cruaud C., Duprat S., Brottier P., Coutanceau J.-P., Gouzy J.,

A Cruaud C., Duprat S., Brottier P., Coutanceau J.-P., Gouzy J.,

A Cruaud C., Duprat S., Chapple C., McKernan K.J., McEwan P., Bosak S.,

Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

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A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

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A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Kellis M., Volff R.,

A Kellis M., Volff J.-N., Kellis M., Volff R.,

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06-DEC-2005, sequen
07-FEB-2006, entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nature (2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q4S4Q3;
19-JUL-2005, integrated into L
19-JUL-2005, sequence version
07-FEB-2006, entry version 3.
Chromosome 2 SCAF14738, whole
NUCLEOTIDE SEQUENCE.
TISSUE-PCR rescued clones;
MEDLINE-23388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                       Homo sapiens (Human)
Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                  Name=TNFRSF13B
                                                                                                                                                                                                                                                                                                                                                                                                                             Q32LX4_HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Genoscope;
Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostom Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleosteathomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes; Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tetraodon nigroviridis (Green puffer).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORFNames=GSTENG00024082001;
                                                                                                                                                   NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                         TNFRSF13B protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nitted (FEB-2004) to the EMBL/GenBank/DDBJ databases. CAUTION: The sequence shown here is derived from an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CAAE01014738; CAG04379.1; -; Genomic_DNA.
NCE 184 AA; 19133 MW; 3B2167E5E4FB1BB7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rly vertebrate proto-karyotype.";
431:946-957(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity 9; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE.
Whitehead Institute Centre for Genome Research;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
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                                                                                                                                                                                                                                                                                                                                entry version 3.
                                                                                                                                                                                                                                                                                                                                                                               integrated into UniProtKB/TrEMBL
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                                                                                                                                                                                                                                                                                                                                                                                                                                PRELIMINARY;
                                                                                                                                                                                                    Chordata; Craniata
Euarchontoglires;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 59; DB
Pred. No. 12;
LO; Mismatches
                                                                                                                                                                                                                                 Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
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                                                                                                                                                                                                            Primates;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CRC64;
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                                                                                                                                                                                                            Hominidae,
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A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratte P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Willalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Richards S., Worley A.C., Shevchenko Y., Bouffard G.G.,
A Wilting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Wilting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
B Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Ceneration and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IT 46
R5 CAEEL
Q9GYR5 CAEEL
Q9GYR5;
Q9GYR5;
Q1-MAR-2001,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORFNames=C23G10.8;
                                                                                                                                                                                                           Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                               The C. elegans sequencing consort "Genome sequence of the nematode
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=Bristol N2;
MEDLINE=99069613; PubMed=9851916; DOI=10.1126/science.282.5396.2012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE STRAIN=Bristol N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Caenorhabditis elegans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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TISSUE=PCR rescued clones;
                               INCAC; QYGIKO; -.
Ensembl; C23G10.8; Caenorhabditis elegans
WormBase; WBGene00016015; C23G10.8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=6239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rhabditidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa;
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                                                                                       IntAct; Q9GYR5;
                                                                                                                                                                                                                                                                                                                                                                                                                   investigating biology
                                                                                                                      T15577; T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MGC Project;
                                                                                                                                                                                                                                                                                               O45080:C17H12.9; NbExp=1; IntAct=EBI-312175, EBI-312180; P41829:nhr-6; NbExp=1; IntAct=EBI-312175, EBI-314469;
                                                                                                                                                                                                                                                                                                                                                                    INTERACTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BC109392; AA109393.1; -; mRNA.
NCE 247 AA; 26664 MW; 850E1F4C2578E8E6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                          2012-2018 (1998)
                                                                                                                      T15577.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peloderinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                entry version 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           integrated into UniProtKB/TrEMBL
                                                                                                                                                  AAF99879.1; -; Genomic_DNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            [LARGE SCALE GENOMIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    consortium;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Caenorhabditis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 59; DB;
Pred. No. 16;
5; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     elegans: a platform
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Best Local
                                                                                                                                                                  GO; GO: UUUDOTOO, .... EGF.
InterPro; IPR006210; EGF.
InterPro; IPR012286; Fcc3 N cyt.
InterPro; IPR006212; Furin repeat.
InterPro; IPR000719; Prot kinase.
InterPro; IPR008271; Ser thr pkin AS.
Theren: IPR002290; Ser thr pkin As.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M., Hofer M., Bruchhaus I., Willhoeft U., Bhattacharya A., Chillingworth T., Churcher C.M., Hance Z., Harris B., Harris D., Jagels K., Moule S., Mungall K.L., Ormond D., Squares R., Whitehead S., Quail M.A., Rabbinowitsch E., Norbertczak H., Price Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S., Lohia A., Foster P.G., Sicheritz-Ponten T., Weber C., Singh U., Wukherjee C., El-Sayed N.M., Petri W.A., Clark C.G., Embley T.M., Barrell B.G., Fraser C.M., Hall N.; "The genome of the protist parasite Entamoeba histolytica."; Nature 433.865-868 (2005).
                                                                                                                                           InterPro; IPR002290; Ser_thr_pkin
InterPro; IPR001368; TNFR_c6
InterPro; IPR001245; Tyr_pkinase.
                                                                                                                                                                                                                                                                          8888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., N Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Entamoeba histolytica HM-1:IMSS.
Eukaryota; Entamoebidae; Entamoeba.
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07-JUN-2005, sequence versi
07-FEB-2006, entry version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GO; GO:0005515; F:E
Complete proteome;
SEQUENCE 937 AA;
                                                               PRINTS; PR00109; TYRKINASE
ProDom; PD000001; Prot_kina
                                                                                                              Pfam; PF02822; Antistasin; 1
Pfam; PF07699; GCC2_GCC3; 2.
                                                                                                                                                                                                                                                                                                                                                                      EMBL; AAFB01000051; EAL51211.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                    Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=HM-1:IMSS;
PubMed=15729342; DOI=10.1038/nature03291;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Protein kinase,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q51ED6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q51ED6_ENTHI
                                                                                                 Pfam; PF00069; Pkinase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       47
_ENTHI
                                                                                                                                                                                                                                                                       GO:0005524; F:ATP binding; IEA.
GO:0004674; F:protein serine/threonine kinase activity;
GO:0004713; F:protein-tyrein-tyrein-tyre;
GO:0004872; F:receptor activity; IEA.
GO:0004872; F:serine-type endopeptidase inhibitor activity;
GO:0004867; F:serine-type endopeptidase inhibitor activity;
GO:0006468; F:protein amino acid phosphorylation; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL/GenBank/DDBJ whole genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CAUTION: The sequence shown here is derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GO:0005515; F:protein binding; IPI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       439
                                 SM00181; EGF;
SM00261; FU;
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9; Conser
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PROTEIN_KINASE_DOM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hypothetical protein.
106669 MW; 1C140595DFD3ACE4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29.4%;
                                                              _kinase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 59; DB Pred. No. 62;
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RESULT 48
Q5DDB SCH
ID Q5DDB
AC Q5DDB
AC Q5DDB
AC Q5DDB
DT 29-MA
DT 29-MA
DT 37-FE
DE SJCHG
OS SCHIS
OC ELKAR
OC SCHIS
OC NCDI-
RN [1]
RN [1]
RN [1]
RN [1]
RN [2]
RP NUCLE
RA Han Z
RT "The
RA Liu F
RA Kue C
RT Trans
RT Trans
RT Trans
RT Trans
RT GCC -----
DR SCHIS
CC ----
DR SMAR1
DR SMAR1
SGMR
I Intex
DR SMAR1
SCHIS
CC -----
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RESULT 49
Q2TW70 ASPOR
ID Q2TW70, ASPOR
ID Q2TW70, A
AC Q2TW70, A
DT 24-JAN-2
DT 24-JAN-2
DT 07-MAR-2
DT 07-MAR-2
DE Predicte
GN ORFNames
OS ASPETGIL
OC Eukaryot
OC Eukaryot
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OX NCBI_Tax
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Best Local S
Matches 11
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Best Local
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Q5DDB6;
29-MAR-2005, 1
29-MAR-2005, 1
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SEQUENCE
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PROSITE;
Kinase.
                           Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes; Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus
                                                                                                     24-JAN-2006, sequence versi
07-MAR-2006, entry version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Liu F., Lu J., Hu W., Wang S.-Y., Cui S.-J., Chi M., Yan Q., Wang X.-R., Song H.-D., Xu X.-N., Wang J.-J., Zhang X.-L., Wang C.-L., Brindley P.J., McManus D.P., Yang P.-Y., Feng Z., Han Z.-G.;
                                                          Aspergillus oryzae.
                                                                           ORFNames=A0090010000683;
                                                                                                                                                     QZTW70_ASPOR
Q2TW70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "The full-length cDNA sequences of Schistosoma japonicum Submitted (NOV-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SJCHGC09354 protein.
Schistosoma japonicum (Blood fluke).
              NCBI_TaxID=5062;
                                                                                          Predicted protein
                                                                                                                                       24-JAN-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Schistosoma japonicum.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "New Perspectives on Host-parasite Interplay by Comparative Transcriptomic and Proteomic Analyses of the Human Blood Flo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Han Z.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Schistosomatoidea;
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interPro; IPR006212; Furin_repeat.
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PS50050; TNFR_NGFR_2; 1.
                                                                                                                                                                                                                                                                             CSQNEYFDSLLHACIPCQLRCSSNTPP----LTCQR 32
                                                                                                                                                                                                                                                CRESEYFDEDQGICRPCDSNCQSCSGPHPFQCTSCNR 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CNKGSYLNTKTHRCEPCPAGTYSNTTTATSCEKC 474
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                                                                                                                                                                                                                                                                                                                                                                     248 AA;
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27757 MW; F8D8EBD4F5DD2EEB CRC64;
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Pred. No. 1.3e-
4; Mismatches
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Pred. No. 1
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                                                                                                                                                                     345
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L., Wang Z.-
z., Chen /
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RESULT
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Kusumoto K., Arima T., Akita O., Kashiwagi Y., Abe K., Gomi K.,

A Horiuchi H., Kitamoto K., Kobayashi T., Takeuchi M., Denning D.W.,

A Horiuchi H., Kitamoto K., Kobayashi T., Takeuchi M., Denning D.W.,

A Galagan J.E., Nierman W.C., Yu J., Archer D.B., Bennett J.W.,

A Bhatnagar D., Cleveland T.E., Pedorova N.D., Gotoh O., Horikawa H.,

A Hosoyama A., Ichinomiya M., Igarashi R., Iwashita K., Juvvadi P.R.,

A Kato M., Kato Y., Kin T., Kokubun A., Maeda H., Maeyama N.,

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A Maruyama J., Nagasaki H., Nakajima T., Oda K., Okada K., Paulsen I.,

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A Wortman J.R., Yamada O., Yamagata Y., Anazawa H., Hata Y., Koide Y.,

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                                                                                                                                                                                                                                      Strausberg R.L., Feingold E.A., Grouse I.H., Derge J.G.,

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Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

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Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

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Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Plakkerjav B. W. The Markers M. M. Schere M. M. Stankers M. Stanke
                                                                                               Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwod J., Schmutz J., Myers R.M., Butterfield V.S.N., Krzywinski M.I., Skalska U., Smailus Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE
STRAIN=RIB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=C57BL/6; TISSUE=Brain; MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-OCT-2004, sequence version 07-FEB-2006, entry version 13
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Q68FG9;
11-OCT-2004, integrated into
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mus musculus (Mouse).
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                                                                          mouse cDNA sequences."
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NCE 345 AA; 38461 MW;
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13; Conservative
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40.6%;
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W; 81A2549BFFFF02AD
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Pred. No. 26
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                                                  99:16899-16903 (2002)
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InterPro; IPR000859; CUB.
InterPro; IPR0006210; EGF.
InterPro; IPR0006210; EGF.
InterPro; IPR0001881; EGF 3.
InterPro; IPR001881; EGF Ca_bd.
InterPro; IPR013091; EGF Ca_bd.
InterPro; IPR013032; EGF like.
InterPro; IPR013032; EGF like_reg.
InterPro; IPR013032; EGF like_reg.
InterPro; IPR013032; EGF like_reg.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-OCT-2004,
11-OCT-2004,
07-FEB-2006,
                                                                               STRAIN=C57BL/6;
PubMed=15234972; DOI=10.1074/jbc.M405912200;
Wu B.T., Su Y.H., Tsai M.T., Wasserman S.M., 7
"A novel secreted, cell-surface glycoprotein (
epidermal growth factor-like repeats and one (
expressed in primary osteoblasts and bones.";
J. Biol. Chem. 279:37485-37490(2004).
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NON TER
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Pfam; PF07699; GCC2 GCC3; 2.
SMART; SM00042; CUB; 1.
SMART; SM00181; EGF; 7.
SMART; SM00179; EGF CA; 4.
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                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Cr
Mammalia; Eutheria; Euarchontogl
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Signal peptide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Distributed under the Creative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=C57BL/6; TISSUE=Brain;
Director MGC Project;
                      Copyrighted by the Uni
Distributed under the
                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                 NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                    Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                               precursor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q66PY1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GO; GO:0005509; F:calcium ion binding;
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                                                                                                                                                                                                                                                                                                                                                                                             Name=Scube3; Synonyms=SCUBE3;
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PS01186;
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; EGF_2; 6.
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; EGF_CA; 4.
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                                             UniProt
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oglires; Glires; Rodentia;
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Attribution-NoDerivs License
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Attribution-NoDerivs License
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Pfam; PF00008; EGF; 6.

Pfam; PF07645; EGF_CA; 4.

Pfam; PF07645; EGF_CA; 4.

Pfam; PF07699; GCC2 GCC3; 3.

SMART; SM00142; CUB; 1.

SMART; SM00181; EGF; 9.

SMART; SM00119; EGF A; 6.

PROSITE; PS01180; CUB; 1.

PROSITE; PS01186; EGF_2; 7.

PROSITE; PS01187; EGF_CA; 6.

PROSITE; PS01187; EGF_CA; 6.
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STRAIN-CSTBL/GG; TISSUE=Corpora quadrigemina;
STRAIN-CSTBL/GG; TISSUE=Corpora quadrigemina;
STRAIN-CSTBL/GG; TISSUE=Corpora quadrigemina;
STRAIN-CSTBL/GG; TISSUE=Corpora quadrigemina;
PubMed=16141072; DOI=10.1126/science.1112014.
Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., M.
Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Zavolan M.
Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M.
Davis M.J., Wilming L.G., Aidinis V., Allen J.E.,
Davis M.J., Wilming L.G., Aidinis V., Allen J.E.,
Ambesi-Impiombato A., Apweiler R., Aturallya R.N., Bailey T.L.
Ambesi-Impiombato A., Apweiler R., Aturallya R.N., Bailey T.L.
Bansal M., Baxter L., Beisel K.W., Bersano T., Bono H., Chalk
Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R.,
Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta
di Bernardo D., Down T., Engstrom P., Fagiolini M., Faulkner G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Signal.
SIGNAL
SEQUENCE
                                                                                                                                                                                               NUCLEOTIDE SEQUENCE.
STRAIN-C57BL/60; TISSUB=Corpora quadrigemina;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Methods Enzymol. 303:19-44(1999).
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Ensembl; ENSMUSG00000038677; Mus musculus.
MGI; MGI:3045253; Scube3.
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Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                       sequence.
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InterPro; IPR013032;
InterPro; IPR011641;
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InterPro; IPR000859; CUB.
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GO; GO:0005509;
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EGF Ca bd.
EGF Ca bd.
EGF Ca bd.
EGF 1ike.
EGF 1ike reg.
EGF 2 GCC3.
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Euarchontoglires; Glires;
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W; E43989ACACCC345F CRC64;
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lires; Rodentia;
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                                                                                                             Frith M.C., Maec
us R., Shimokawa
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RC STRAINE-CS7BL/6J; TISSUE=Corpora quadrigemina;
RC MEDLINE-22354683; PubMed=12468851; DOI=10.18038/nature01266;
RA Okazaki Y., Furuno M., Kasukawa T., Adachi J., Bono H., Kondo S.,
RA Okazaki Y., Furuno M., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,
RA Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,
RA Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,
RA Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,
RA Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Schonbach C., Gojobori T.,
RA Baldarelli R., Hill D.P., Bult C., Hume D.A., Quackenbush J.,
RA Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K.W.,
RA Schriml L.M., Kanapin A., Matsuda H., Batalov S., Deisel K.W.,
RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
RA Gastecrland T., Gariboldi M., Gissi C., Godzik A., Gough J.,
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RA Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E.,
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Query Match
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Matches 15
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Hayashizaki Y.;
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                                                                                                                                             EMBL; AK045875; BAC32518.1; -; mRNA.
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Score 58; DB
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5; Mismatches
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YFNSLLFLSLFCIFKRILTLRCTSHPPPSPPPPPPPHSHSLACGYFC

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RC TISUE=PCR TESCHER CLONES;

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Q3SXS7;
11-OCT-2005,
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TISSUE=PCR rescued (
NIH MGC Project;
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lires; Rodentia; Sciurogna
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us R., Shimokawa K
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      human
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BA Kitano H., Korapin h., Katoh M., Kawaswa Y., Kalou J., Kitanux H. & Kitano H., Kollias G. Krishuna S.P., Kruser A., Kmmerfeld S.K., A Kitani H., Kollias G. Krishuna S.P., Kruser A., Kmmerfeld S.K., A Kitani H., Kollias G. Krishuna S.P., Kruser A., Kmmerfeld S.K., A Kitani H., Makuchi H., Mg P., A Kitani H., Makuchi H., Mg P., A Kitani H., Makuchi H., Mg P., A Matsuda H., Makuchi H., Mg P., Matsuda H., Makuchi M., Mg P., Matsuda H., Makuchi M., Mg P., Matsuda H., Makuchi M., Makuchi M., Mg Matsuda H., Makai Y., Taki K., Matsuda H., Makuchi M., Mak
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RESULT 54
TR13C_MOUSE
ID TR13C_MOUSE
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RA Saito T., Okazaki Y., Gojobori T., Bond H., Kasukawa T., Saito R.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
RA Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
RA Sasaki H., Sato K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
RA Hayashizaki Y.
                                                                                                                                                                                                          Query Match
Best Local S
Matches 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=NOD; TISSUE=Activated spleen; Arakawa T., Carninci P., Fukuda S., Hashizume W., Hayashida K., Hori F., Iida J., Imamura K., Imotani K., Itoh M., Kanagawa S., Kawai J., Kojima M., Konno H., Murata M., Nakamura M., Ninomiya N., Nishiyori H., Nomura K., Ohno M., Sakazume N., Sano H., Sasaki D., Shibata K., Shiraki T., Tagami M., Tagami Y., Waki K., Watahiki A., Muramatsu M., Hayashizaki Y.; Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=NOD; TISSUE=Activated spleen;

MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;

Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,

Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,

Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,

Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,

Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,

Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,

Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,

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Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;

"RIKEN integrated sequence analysis (RISA) system-384-format

sequencing pipeline with 384 multicapillary sequencer.";

Genome Res. 10:1757-1771(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=NOD; TISSUE=Activated spleen; MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100; Carninci P., Shibata Y., Hayateu N., Sugahara Y., Shibata Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.; "Normalization and subtraction of cap-trapper-selected cDI prepare full-length cDNA libraries for rapid discovery of Genome Res. 10:1617-1630(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Functional annotation of a Nature 409:685-690(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE
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                                                                                                                                                                                                                                                                                             L; BC104126; AAI04127.1; -; mRNA.

L; AK172406; BAE42991.1; -; mRNA.

GO:0009897; C:external side of plasma membrane;

GO:0016021; C:integral to membrane; RCA.

GO:0031296; P:B cell costimulation; IDA.
                                                                                                                    22
                                                                                                                                                                                                            Similarity
9; Conser
                                                                                                                    CNQTECFDPLVRNCVSCEL
                                                                                                                                                               CSQNEYFDSLLHACIPCQL
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                                                                                                                                                                                                               Conservative
       STANDARD;
                                                                                                                                                                                                                               28.9%;
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                                                                                                                                                                                                          Score 58; DB Pred. No. 14; 4; Mismatches
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       PRT;
       175
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                                                                                                                                                                                                            6,
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RA Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N., RA Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shinokawa K., RA Bajic V.B., Barenner S.E., Batalov S., Forrest A.R., Zavolan M., RA Davis M.J., Wilming L.G., Aidinis V., Allen J.E., Balaying V.B., Barish R., Shinokawa K., RA Ambesi Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., Rabansal M., Baxter L., Beisel K.M., Bersano T., Bono H., Chalk A.M., RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Crowe M.L., Lavishima T., Furuno M., Futaki S., Gariboldi M., Ra Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E., RA Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E., RA Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E., RA Gustincich S., Katshama S.P., Kruger A., Kummerfeld S.K., Kithana S.P., Kruger A., Marchiomii L., Liu J., Kithana S.P., Kruger A., Marchiomii L., Kithana S., Morris K., Ka Matsuda H., Katayama S., Nori F., Ohara O., Pasca S., Reed J., Rahdoro M., Nakauchi H., Ng P., Pavasi G., Pesole G., P
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27-MAY-2002,
01-JUN-2001,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE [MRNA] (ISOFORMS 1 AND 2).

STRAIN-BALB/C; TISSUB-B-cell lymphoma;

MEDLINE=21442025; PubMed=11509692; DOI=10.1126/science.1061965;

Thompson J.S., Bixler S.A., Qian F., Vora K., Scott M.L.,

Cachero T.G., Hession C., Schneider P., Sizing I.D., Mullen C.,

Strauch K., Zafari M., Benjamin C.D., Tschopp J., Browning J.L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Yan M., Brady J.R., Chan B., Lee W.P., Hsu B., Harless S.M., Cancro M.P., Grewal I.S., Dixit V.M.; "Identification of a novel receptor for B lymphocyte stimulator is mutated in a mouse strain with severe B cell deficiency."; Curr. Biol. 11:1547-1552(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumor necrosis factor receptor superfamily member activating factor receptor) (BAFF receptor) (BAFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mammalia; Eutheria;
Muroidea; Muridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ambrose C.;
"BAFF-R, a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PubMed=16141072; DOI=10.1126/science.1112014;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=21475520;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Name=Tnfrsf13c; Synonyms=Baffr,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (B-cell maturation defect)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE [LARGE SCALE MRNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE [MRNA] (ISOFORM 1),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         entry version 30.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TISSUE=Small
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             identified
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TNF receptor that specifically interacts
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receptor) (BAFF-R) (BLyS receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DOI=10.1016/S0960-9822(01)00481-X;
.P., Hsu B., Harless S.M.,
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                                                                                                      SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AF373847; AAK91827.1; EMBL; AK008142; BAB25490.1;
                                                                                                                                                                                                                                                                                                   PROSITE; PS00652; TNFR_NGFR_1; FALSE_NEG.
PROSITE; PS50050; TNFR_NGFR_2; FALSE_NEG.
Alternative_splicing; Glycoprotein; Immune_response; Membrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -
                                                                                                                                                                                                                                                                              Receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FUNCTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hayashizaki Y.;
"The transcriptional landscape
Science 309:1559-1563(2005).
                                                                                                                                                                                                                                                                                                                                              InterPro;
                                                                                                                                                                                                                                                                                                                                         GO:0009897; C:external side of plasma membrane; IDA.
GO:0016021; C:integral to membrane; TAS.
GO:0031296; P:B cell costimulation; IDA.
GO:0031298; P:B cell homeostasis; IMP.
GO:0001890; P:positive regulation of B cell proliferation; IDA.
GO:0045078; P:positive regulation of T cell proliferation; IDA.
GO:0042102; P:positive regulation of T cell proliferation; IDA.
GO:0050776; P:regulation of immune response; IMP.
GO:0031295; P:T cell costimulation; IDA.
GO:0031295; P:T cell costimulation; IDA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE SPECIFICITY: Highly expressed in spleen and testis; detected at lower levels in lung and thymus. DISEASE: Defects in Thirsf13c are a cause of severe B-cell deficiency. B-cell deficient strain A/WySnJ has a 4.7 kb in in the BAFFR gene leading to an altered C-terminus. The mut is not detectable. B-cell lymphopoiesis is normal, but the span of peripheral B-cells is much reduced. SIMILARITY: Contains 1 TNFR-Cys repeat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Promotes the survival of mature B-cells and the E SUBCELLULAR LOCATION: Membrane; single-pass type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FUNCTION: B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS Promotes the survival of mature B-cells and the B-cell response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein (Probable).
ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Event=Alternative splicing; Named isoforms=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MGI:1919299;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q96RJ3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IsoId=Q9D8D0-1; Sequence=Displayed;
22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             [soId=Q9D8D0-2;
                                                               Similarity
                        CSQNEYFDSLLHACIPCQL
 CNOTECEDPLVRNCVSCEL
                                                                                                                                                                                                                                                                            Signal-anchor;
                                                                                                      175
                                                   Conservative
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21
23
22
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133
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72
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                                                                                                      AA;
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38
23
35
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143
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92
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Y: Highly expressed i
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                                                   4.
                        19
                                                               Pred. No.
                                                                         Score 58;
                                                                                                                 By similarity.
Missing (in isofo
/FTId=VSP_006506
                                                                                                                                                                    TNFR-Cys (incomplete).
N-linked (GlcNAc. . .) (Potential)
                                                                                                                                                                                            Signal-anchor for type III protein (Potential).
Cytoplasmic (Potential).
                                                                                                                                                                                                                                   superfamily member 13C.
/FTId=PRO_000058934
Extracellular (Potential)
                                                                                                                                                         By similarity.
                                                                                                                                                                                                                                                                            Tumor necrosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mRNA.
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                                                                                                     28BC7C1A02FB87EF CRC64;
                                                   Mismatches
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RX MEDILIBE-22388257; Pubmed=12477932; DOI=10.1073/pnas.242603899; RX MEDILIBE-22388257; Pubmed=12477932; DOI=10.1073/pnas.242603899; RX Strausberg R.D., Feingold E.A., Grouse L.H., Derge J.G., RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Ra Piatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Scheetz T.E., Scheetz M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C., RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., RA Richards S., Worley A.C., Shevchenko Y., Bouffard G.G., RA Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., RA Rodriguez A.C., Grinwood J., Schmutz J., Myers R.M., RA RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., RA RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., RA RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human rand mouse cDNA security and mouse 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-OCT-2005,
11-OCT-2005,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                                EMBL; BC104127; AAI04128.1; -; mRNA.
EMBL; DQ294929; ABC24674.1; -; mRNA.
EMBL; DQ294928; ABC24673.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=A.SW, and SJL/J; TISSUE=Spleen; Libbey J.E., Peterson L.K., Tsunoda I., Fujinami R.S.; "Monoclonal MOG autoantibody from progressive EAE has th characteristics of a natural antibody."; Submitted (NOV-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE.
TISSUE=PCR rescued clones;
NIH MGC Project;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
Murcidea, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                              Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Proc. Natl. Acad. Sci. U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=10090;
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                                             GO:0009897; C:external side of plasma membrane; IDA.
GO:0016021; C:integral to membrane; RCA.
GO:0016021; F:receptor activity; IEA.
GO:0031296; P:B cell costimulation; IDA.
GO:0031296; P:B cell homeostasis; IMP.
GO:0001788; P:B cell homeostasis; IMP.
GO:0030890; P:positive regulation of B cell proliferation;
GO:0045078; P:positive regulation of interferon-gamma bio.
GO:0042102; P:positive regulation of T cell proliferation;
GO:0042102; P:positive regulation of T cell proliferation;
GO:0050776; P:regulation of immune response; IMP.
GO:0031295; P:T cell costimulation; IDA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mouse
                                                                                                                                                                                                                                                                                              MGI:1919299; Tnfrsf13c.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cDNA sequences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SEP-2005) to the EMBL/GenBank/DDBJ databases
     175
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     18798 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99:16899-16903 (2002)
       28BC7C1A02FB87EF CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                see http://www.uniprot.org/terms
Attribution-NoDerivs License
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RESULT 57
Q3U106_MOUSE
ID Q3U106;
AC Q3U106;
DT 11-CCT-2005, s
DT 07-FEB-2006, e
DE Activated splat
DE clone:F830019,
DE member 13c, fi
GN Name-Thfrsf13
OS Mus musculus
OC Eukaryota; Met
OC Muroidea; Muroid
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01-JUN-2002,
07-FEB-2006,
                                                                                                                                                                                                                   Activated spleen cDNA, RIKEN full-length clone: P830019917 product:tumor necrosis f member 13c, full insert sequence.
                                                                                                                                                                                                           member 13c, full
Name=Tnfrsf13c;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                     Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertek
Mammalia; Eutheria; Euarchontoglires; Glires;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TRAF3 binding property of the second property of the transfer 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Q8R4W8;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Distributed under the Creative Commons Attribution-NoDerivs License
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95
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GO:0009897; C:external side of plasma membrane; IDA.
GO:0016021; C:integral to membrane; RCA.
GO:0031296; P:B cell costimulation; IDA.
GO:0001782; P:B cell homeostrasis; IMP.
GO:0001782; P:B cell homeostrasis; IMP.
GO:0030890; P:positive regulation of B cell proliferation;
GO:0045078; P:positive regulation of interferon-gamma bio.
GO:0042102; P:positive regulation of T cell proliferation;
GO:0050776; P:regulation of immune response; IMP.
GO:0050775; P:T cell costimulation; IDA.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 58;
Pred. No.
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MEDLINE=22354683; PubMed=12466851; DOI=10.1038/nature01266;
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Tagami M., Waki K., Watahiki A.,
Hayashizaki Y.;
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STRAIN=NOD; TISSUE=Activated spleen;
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C., Gojobori
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RC STRAIN=NOD; TISSUE=Activated spleen;

RM MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;

RAMALINE=21085660; PubMed=11217851; Yoshino M., Itoh M., Ishii Y.,

RAMALINE=21085660; PubMed=11217851; Yoshino M., Itoh M., Ishii Y.,

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RAMALINE=21085600; PubMed=110 Y., Konno H., Kasukawa T., Salto R.,

RAMALINE=21085600; Raman H., Kondo S., Yamanaka I.,

RAMALINE=21085600; Raman H., Kondo S., Yamanaka I.,

RAMALINE=21085600; Raman H., Kasukawa T., Salto R.,

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RAMALINE=21085600; Raman H., Ramo H., Kasukawa T., Washio T.,

RAMALINE=21085600; Raman H., Ramana M., Garriboldi M.,

RAMALINE=21085600; Raman M., Hume D.A., Kamiya M., Lee N.H.,

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RAMALINE=21085600; Raman M., Rodriguez I., Sakamoto N.,

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RAMALINE=21085600; Raman M., Hasegawa Y., Kawaji H., Kohtsuki S.,

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RAMALINE=21085600; Raman M., Hasegawa Y., Kawaji H., Kohtsuki S.,
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Arakawa T., Carninci P., Fukuda S., Hashizume W., Hayashida K.,
Hori F., Iida J., Imamura K., Imotani K., Itoh M., Kanagawa S.,
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MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
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GO; GO:0004872; F:receptor activity; IEA.
InterPro; IPR013032; EGF_like_reg.
InterPro; IPR013038; TWFR_C6.
Pfam; PF00020; TNFR_C6; 2.
SMART; SM00208; TNFR_S; 3.
PROSITE; PS01186; EGF_2; 2.
PROSITE; PS01652; TNFR_NGFR_1; 1.
PROSITE; PS00652; TNFR_NGFR_1; 1.
PROSITE; PS00652; TNFR_NGFR_2; 3.
HYDOFFACTION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Viruses; dsDNA viruses, no RNA stage; unclassified Lymphocystivirus. NCBI_TaxID=256729;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-FEB-2006, entry version 7.
Hypothetical protein.
Lymphocystis disease virus
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Q678B7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PubMed=15194775;
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GO:0016021; C:integral to membrane; RCA.
GO:001126; p:B cell costimulation; IDA.
GO:0001782; p:B cell homeostasis; IMP.
GO:0030890; P:positive regulation of B cell proliferation; IDA.
GO:0045078; P:positive regulation of interferon-gamma bio. . .;
GO:0042102; p:positive regulation of T cell proliferation; IDA.
GO:0050776; P:regulation of immune response; IMP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  78:6982-6994 (2004).
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nilarity 37.5%;
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F., Xie J., Li Z.Q., Gui J.F.;
                                                                                                                                                                                                 32691 MW;
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P07851; 077419;
01-AUG-1988, integrated into UniProtKB/Swiss-Prot.
01-AUG-1988, sequence version 1.
07-FEB-2006, entry version 44.
Chymotrypsin/elastease isoninhibitor 1 (C/E-1 inhibitor) (Asc/E-1).

Ascaris suum (Pig roundworm) (Ascaris lumbricoides).

Bukaryota; Metazoa; Nematoda; Chromadorea; Ascaridida; Ascaridoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pfam; PF00757; Furin-like; 1.
Pfam; PF01483; P proprotein;
Pfam; PF00082; Peptidase_S8;
PRINTS; PR00723; SUBTILISIN.
                                                                                                                                                                                                                                                                                                                                                                                                PROSITE; PS00136; SUBTILASE ASP; UNKNOWN 1.
PROSITE; PS00137; SUBTILASE HIS; 1.
PROSITE; PS00138; SUBTILASE SER; 1.
Hydrolase; Protease; Serine protease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRINTS; PR00723; SUE SMART; SM00261; FU;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cieplik M., Klenk H.; Submitted (JAN-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-NOV-1996, sequence version 07-FEB-2006, entry version 34. Endoprotease FURIN.
PROTEIN SEQUENCE:
MEDLINE=84255715; PubMed=6564898;
Babin D.R., Peanasky R.J., Goos S
                                                                                                                                                                                                              ASCSU
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Noctuidae; Amphipyrinae; Spodoptera.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Spodoptera frugiperda (Fall armyworm).
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
                                                          NCBI_TaxID=6253;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GO:0016020; C:membrane; IEA.
GO:0005524; F:ATP binding; IEA.
GO:0008233; F:peptidase activity; IEA.
GO:0004289; F:subtilase activity; IEA.
GO:0004714; F:transmembrane receptor protein tyrosine kin.
GO:0006468; P:proteoin amino acid phosphorylation; IEA.
GO:0006508; P:proteolysis; IEA.
GO:0007169; P:transmembrane receptor protein tyrosine kin.
GO:0007169; P:transmembrane receptor protein tyrosine kin.
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IPR006212; Furin repeat.
IPR000209; Pept 38 53.
IPR002884; PrprotnonvertsP.
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1299 AA; 142020 MW; 4C3
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      Goos S.M.;
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RESULT Q5BI10 ID Q5 AC Q5 DT 12 DT 12

ILT 61 10_DROME Q5BI10_DROME

PRELIMINARY;

PRT;

1061 AA

Q5BI10; 12-APR-2005, 12-APR-2005,

sequence version

integrated into UniProtKB/TrEMBL

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                                                                        SEQUENCE
                                                                                                                                                                                                                    TURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                         X-RAY CRYSTALLOGRAPHY (2.4 ANGSTROMS) OF COMPLEX MEDLINE=95006335, bubmed=7922044; Huang K., Strynadka N.C., Bernard V.D., Peanasky "The molecular structure of the complex of Ascari chymotrypsin/elastase inhibitor with porcine elas Structure 2:679-689(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE [MRNA].

MEDLLINE=98297373; PubMed=9635450; DOI=10.1006/expr.1998.4284;

Lu C.C., Nguyen T., Morris S., Hill D., Sakanari J.A.;

"Anisakis simplex: mutational bursts in the reactive site centers serine protease inhibitors from an ascarid nematode.";

Exp. Parasitol. 89:257-261(1998).
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CHAIN 1
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                                                                                                                                                                                                                                                                                                                                          D-structure; Direct protein sequencing; Protease inhibitor
                                                                                                                                                                                                                                                                                                                                                              nterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                            FUNCTION: Defends the organism against the host's proteinases SUBCELLULAR LOCATION: Secreted protein.
SIMILARITY: Contains 1 TIL (trypsin inhibitory-like) domain.
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                CSQNEYFDSLLHACIPCOLRC--SSNTP-PLTCOR 32
CGPNEVWTE----
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IPR002919; Prot_Inh_CR_TIL.
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                                   Conservative
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                                                                                                                                                                                                                                                                                                                                  inhibitor.
                                                                        6862 MW;
                                                                                           28.6%;
CTGCEMKCGPDENTPCPLMCRR
                                  5
                                            Score 57.5;
Pred. No. 6
                                                                        5DC10DE75B375F16 CRC64;
                                                                                                                                                                                                                                                                                                                        Chymotrypsin/elastase
                                                                                                                                                                                                                                                                                              Reactive bond
                                                                                                                                                                                                                                                                                                              FTId=PRO_0000174329.
                                                                                                                                                                                                                                    -> R (in Ref. 2)
                                  Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OF COMPLEX WITH
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                                                     DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ascaris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from Ascaris lumbricoides:
35
                                   10;
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                                                     Length 63;
                                    Indels
                                                                                                                                                                                                                                                                                                                         isoinhibitor
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                                   Gaps
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Best Local S
Matches 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                     FUR2_DROME STANDARD; PRT; 1679 AA.
P30432; Q24301; Q8SZS2;
01-APR-1993, integrated into UniProtKB/Swiss-Prot.
25-NOV-2002, sequence version 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROSITE;
                                                               STRAIN=Iso-1, Oregon-R, and Tuebingen; MEDLINE=92381036; PubMed=1512259; MEDEDORNER, Pauli I.G.L., KROEBTORK A.J.M., Creemers J.W.M., Pauli I.G.L., KROEBTORK M., Gateff E.A.F., Leunissen J.A.M., van "Cloning and functional expression of Dfurin2, a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GO; GO:0016020; C:membrane; IEA.
GO; GO:000524; F:ATP binding; IEA.
GO; GO:0004289; F:subtilase activity; IEA.
GO; GO:0004714; F:transmembrane receptor protein tyrosine
GO; GO:000648; P:protectin amino acid phosphorylation; IEA.
GO; GO:0006508; P:protectysis; IEA.
GO; GO:0007169; P:transmembrane receptor protein tyrosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Drosophila melanogaster (Fruit fly).
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
                  proprotein processing enzyme of Drosophila melanogaster with multiple repeats of a cysteine motif.";
                                                                                                                                                                                                                                                                      Drosophila melanogaster (Fruit fly).

Bukaryota; Metazoa; Arthropoda; Hachyoera; Inse
Neoptera; Endopterygota; Diptera; Brachycera;

Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                        07-MAR-2006, entry version 65.
Furin-like protease 2 precursor (EC
Name=Fur2; ORFNames=CG18734;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pfam; PF00757; Furin-like; 1. Pfam; PF01483; P_proprotein; Pfam; PF00082; Peptidase_S8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-FEB-2006,
LD05524p.
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SMART; SM00261; FU;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Distributed under the Creative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=Berkeley;
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                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE (ISOFORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro;
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Wan K., Yu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FBgn0004598; Fur2
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IPR006211; Furin-like.
IPR006212; Furin repeat.
IPR00209; Pept S8_S5.
IPR002884; PriprotnconvertsP.
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nilarity 34.3%;
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K., Yu C., Rubin
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ubin G.M., Celniker S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 57.5; DB 2;
Pred. No. 1.1e+02;
5; Mismatches 17
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4E7F1FC5388FF229
                                                                                                                                                                                                                                                                                                                                                                                                     3.4.21.75) (Furin-2)
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                                                                                                                                                                                                                                                                                                                        Insecta;
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                                                                                                                                                                                                                                                                                                   Muscomorpha;
                                                                  an de Ven W.J.M.;
a subtilisin-like
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TREAST CONTROL CONTROL
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RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Goller R.F.,
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Goller R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Barlaw R.M., Basu A., Ray H.J., Andrews Pfannkoch C., Balavin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Belorkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA Cherry J.M., Gaugelista C.C., Ferraz C., Ferriera S., Fleischmann W.,
RA Fosler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Harris N.L., Harvey D.A., Heiman T.J., Hernandez J.R., Houck J.,
RA Harris N.L., Harvey D.A., Heiman T.J., Wei M.-H., Diegvan C.,
RA Harris N.L., Mouston K.A., Howland T.J., Wei M.-H., Diegvan C.,
RA Jalali M., Kalush F., Karpen G.H., K. Z., Keniison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kilj D., Lai Z.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Melson D.R., Nelson K.A., Staplen G.M., Strong R., Nelson D.L.,
RA Mang Z.-Y., Wassarman D.A., Weinstock G.M., Weissenbach J.M.,
RA Spier E. G., Siden X., Stapleton M., Strong R., Mang X.,
RA Spier E. W., Rubin G.M., Zhang G., Zhao Q., Zheng L.,
RA Spier S., All M., School R.M., Wang S., Zhao Q., Zheng L.,
RA Jahah M., Strong R., Zhao Q., Zhao Q., Zheng L.,
Ra Jahah M., Strong R., Zhao Q., Zhao Q., Zheng L.,
Ra Jahah M.
                                                                                                                                                                                                                                                                                                                                                        MEDLINE=22426069; PubMed=12537572;
Misra S., Crosby M.A., Mungall C.J., Matthews B.B., Campbell K.S., Hradecky P., Huang Y., Kaminker J.S., Milburn G.H., Prochnik S. Smith C.D., Tupy J.L., Whitfield E.J., Bayraktaroglu L., Berman Bettencourt B.R., Celniker S.E., de Grey A.D.N.J., Drysdale R.A. Harris N.L., Richter J., Russo S., Schroeder A.J., Shu S.Q., Stapleton M., Yamada C., Ashburner M., Gelbart W.M., Rubin G.M.,
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"The Dfur2 gene of Drosophila melanogaster:
expression during embryogenesis, and pro-pro
of its translational product Dfurin2.";
George R.A., Guarin H., Kr
Rubin G.M., Celniker S.E.;
"A Drosophila full-length
                                                                                         STRAIN=Berkeley; TISSUE=Embryo; MEDLINE=22426066; PubMed=12537569; Stapleton M., Carlson J.W., Brokst
                                                                                                                                                                                                                                                                              systematic
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NUCLEOTIDE SEQUENCE (ISOFORM
                                                                                                                                                                                                                                                  Genome
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                                                                                                                                                                                                                                                                                                           "Annotation of the
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                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                              review
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                                                                                                                                                                                                                                                  3:RESEARCH0083.1-RESEARCH0083.22(2002)
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ker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PubMed=7880443;
Ayoubi T.A.Y., Creemers
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                                                            .W., Brokstein |
Kronmiller B.,
   cDNA resource.";
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                                                               P., Yu C., Ch
, Pacleb J.M.,
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                                                                  Park S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Campbell K.S.,
                                                                                                                                                                                                                                                                                                              genome:
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lale R.A.,
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                                                                  X.H.,
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pfam; PF00757; Furin-like; 1.
pfam; PF01483; P. proprotein; 2.
pfam; PF01082; Peptidase S8; 1.
prints; PR00723; SUBTILISIN.
ProDom; PD000717; PrprotnconvertsP; 1.
SMART; SM00181; EGF; 1.
SMART; SM00181; EGF; 1.
PROSITE; PS00136; SUBTILASE ASP; 1.
                                                                                                                                                                                                                                                   GO; GO:0004276; F:furin activity; IDA.
GO; GO:0005515; F:protein binding; IPI.
InterPro; IPR006210; EGF.
InterPro; IPR006211; Furin-like.
InterPro; IPR006212; Furin repeat.
InterPro; IPR006212; Furin repeat.
InterPro; IPR000209; Pept_S8_553.
InterPro; IPR000209; Pept_S8_553.
InterPro; IPR0002884; PrprotuconvertsP.
Pfam; PF00757; Furin-like; 1.
     TRANSMEM
TOPO_DOM
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                                                                                                       SIGNAL
                                                                                                                                                                                                                                                                                                                               Ensembl; CG18734; Drosophila melanogaster.
ElyBase; FBgn004598; Fur2.
BloCyc; DMEL-XXX-02:DMEL-XXX-02-002159-MONOMER;
BloCyc; DMEL-XXX-02:DMEL-XXX-02-002161-MONOMER;
BloCyc; DMEL-XXX-02:DMEL-XXX-02-002163-MONOMER;
GO; GO:0004276; F:furin activity; IDA.
                                                                                                                                                               PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; M94375; AAA28551.1; -; mRNA.
EMBL; L33831; AAAA9860.1; -; Genomic DNA.
EMBL; AE003502; AAA698598.2; -; Genomic DNA.
EMBL; AE003502; AAA09400.1; -; Genomic DNA.
EMBL; AE003502; AAA09400.1; -; Genomic DNA.
EMBL; AY070553; AAL48024.1; ALT_INIT; mRNA.
EMBL; AY070553; AAL48024.1; ALT_INIT; mRNA.
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                                                                                                                                          Alternative
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                                                                                                                             Membrane;
                                                                                             PROPEP
                                                                                                                                                    PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Name=A; Synonyms=B;
IsoId=P30432-2; Sequence=VSP_009365;
Note=No experimental confirmation available;
Note=No experimental confirmation in a subset of central rISSUE SPECIFICITY: Transient expression in a subset of central nervous system neurons during embryonic stages 12-13. Expression in developing tracheal tree from stage 13 to end of embryonic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         respective precursors.
INTERACTION:
QPW4G3:CG15470; NbExp=1; IntAct=EBI-496684, EE
Q9W4G3:CG15470; NbExp=1; IntAct=EBI-496684, EE
Q94524:Dic90F; NbExp=1; IntAct=EBI-496684, EBI
ALTERNATIVE PRODUCTS:
Event=Alternative splicing; Named isoforms=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DEVELOPMENTAL STAGE: Expressed both maternally and zygotically. SIMILARITY: Belongs to the peptidase S8 family. Furin subfamily
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FUNCTION: Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX(K/R)R consensus motif (By similarity).
CATALYTIC ACTIVITY: Release of mature proteins from their proproteins by cleavage of -Arg-Xaa-Yaa-Arg-|-Zaa-bonds, where Xaa-Gan be any amino acid and Yaa is Arg or Lys. Releases albumin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=D; Synonyms=E;
IsoId=P30432~1; Sequence=Displayed.
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P30432; -.
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PS00137; SUBTILASE_HIS; 1.
PS00138; SUBTILASE_SER; 1.
PS00138; SUBTILASE_SER; 1.
ive splicing; Complete proteome; Glycoprotein; Hydrolase;
protease; Repeat; Serine protease; Signal; Transmembrane;
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NCBI_TaxID=294381;
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STRAIN=HM-1:IMS;

X PubMed=15729342; DOI=10.1038/nature03291;

XA Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,

Anderson I., Davies R., Alsmark U.C., Samuelson J.,

A Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,

A Loftus B.J., Anderson I., Berriman M., Hirt R.P., Mann B.J., Nozaki T.,

A Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.,

A Loft B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,

A Hofer M., Bruchhaus I., Willhoeft U., Bhattacharya A.,

A Hofer M., Bruchhaus I., Willhoeft U., Bhattacharya A.,

A Lohina M., Moule S., Mungall K.L., Ormond D., Squares R.,

A Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,

A Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,

A Lohia A., Foster P.G., Sicheritz-Ponten T., Weber C., Singh U.,

A Mukherjee C., El-Sayed N.M., Petri W.A., Clark C.G., Embley T.M.,

Barrell B.G., Fraser C.M., Hall N.;

"The genome of the protist parasite Entamoeba histolytica.",

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01-OCT-2000,
21-FEB-2006,
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HSSP; P54274; IITY.
GO; GO:0005534; C:nucleus; IEA.
GO; GO:0005534; F:DNA binding; IEA.
GO; GO:0003677; F:DNA binding; IEA.
GO; GO:0045449; P:regulation of transcription; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE.
Chao Q., Brooks S., Buehler E., Johnson-Hopson C., Khan S., Kim C., Chao Q., Brooks S., Buehler E., Chin C., Chiou J., Choi E., Conn L., Shinn P., Altafi H., Bei B., Chin C., Chiou J., Choi E., Conn L., Conway A., Gonzalez A., Hansen N., Howing B., Koo T., Lam B., Lee J. Cenz C., Li J., Liu A., Liu J., Liu S., Mukharsky N., Nguyen M., Palm C., Pham P., Sakano H., Schwartz J., Southwick A., Thaveri A., Toriumi M., Vaysberg M., Yu G., Davis R., Federspiel N., Theologis
                                                                                                                                                              InterPro; IPR012287; Homeodomain-rel.
InterPro; IPR001005; Myb DNA bd.
InterPro; IPR001065; Znf PHD.
PROSITE; PS50090; MYB 3; 1.
PROSITE; PS01359; ZF PHD 1; UNKNOWN 1.
SEQUENCE 321 AA; 36644 MW; F341TA7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                    Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases.
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NCE 304 AA; 34237 MW; 4A32F0137B3869A8
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HACIVCDIADDGVVPCSGNECPLAVHRKC
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                                                                                               28.4%;
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                                                                                                    Score 57;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 57; DB 2;
Pred. No. 36;
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                                                                                                                                                                 F3411A75DBC0B406 CRC64;
                                                                                  Mismatches
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                                                                                                                            DB 2;
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                                                                                                                       Length 321;
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RESULT
Q7R165
ID Q7
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Best Local :
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Q61V24 CAEBR
Q61V24;
23-NOV-2004,
23-NOV-2004,
07-FEB-2006,
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15-DEC-2003,
07-FEB-2006,
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65 GIALA
Q7R165 GIALA
Q7R165;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Caemorhabditis briggsae.
Caemorhabditis briggsae.
Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
GLP_447_61408_57776.
Giardia lamblia ATCC 50803
Eukaryota; Diplomonadida; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pfam; PF01607; CBM_14; Pfam; PF01683; EB; 1. SMART; SM00289; WR1; 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro; IPR006149; EB_region.
InterPro; IPR000794; KeToacyl synth.
InterPro; IPR002557; PerA Chitin bd.
InterPro; IPR003571; Snake_toxin.
InterPro; IPR006150; Worm_repeat_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "The genome sequence of Caenorhabditis briggsae: a comparative genomics.";
PLOS Biol. 1:166-192(2003)

-i- CAUTION: The sequence shown here is derived from the sequence of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; CAAC01000022; CAE61236.1; -; Genomic_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Distributed under the Creative Commons
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Copyrighted by the UniProt Consortium,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GO:0005576; C:extracellular region; IEA.
GO:0008061; F:chitin binding; IEA.
GO:0006630; P:chitin metabolism; IEA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PS00606; B KETOACYL SYNTHASE; UNKNOWN_1.
PS00272; SNAKE TOXIN; UNKNOWN_1.
Proteome; Hypothetical Protein.
919 AA; 96817 MW; BE3EFC096CE53DFD C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CSQSTVFNAELSVCVPLAIQNSCDSSTQQPVC 195
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                                                                                                                                                                                                            integrated into
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    Hexamitidae; Giardiinae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 57; DB 2;
Pred. No. 1.1e+02
7; Mismatches 1
                                                                                                                                                                                                            Uni ProtKB/TrEMBL
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BE3EFC096CE53DFD CRC64;
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RESULT 67
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Matches
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G); GO:0016020; C:membrane; IEA.
GO; GO:001524; F:ATP binding; IEA.
GO; GO:000506; F:spidermal growth factor receptor activity;
GO; GO:0004872; F:receptor activity; IEA.
GO; GO:0004872; P:receptor activity; IEA.
GO; GO:0001468; P:protein amino acid phosphorylation; IEA.
GO; GO:0007169; P:transmembrane receptor protein tyrosine kin
InterPro; IPR000494; EGF rcpt_L.
InterPro; IPR006211; Furin-1ike.
InterPro; IPR006212; Furin-repeat.
InterPro; IPR000719; Prot_kinase.
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SMART; SM00248; ANK, 10.
PROSITE; PS50297; ANK REP_REGION;
PROSITE; PS50088; ANK_REPEAT; 1.
ANK repeat; Repeat.
SEQUENCE 1210 AA; 132501 MW; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=92365727; PubMed=1501637; DOI=10.1016/0166-6851(92)90003-3; Shoemaker C.B., Ramachandran H., Landa A., dos Reis M.G., Stein I.; Shoemaker ve splicing of the Schistosoma mansoni gene encoding a "Alternative splicing of the Schistosoma mansoni homologue of epidermal growth factor receptor.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Draft sequence of the Giardia lamblia genome.";
Submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.
-i- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                               PIR; A45558; A45558.
HSSP; P11362; 1FGK.
                                                                                                                                                                                                                                                                                                                 EMBL; M86396; AAA29866.1; -; mRNA.
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                                                                                                                                                                                                                                                                                                                                                                                           Copyrighted by the UniProt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=Puerto Rican;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Schistosoma mansoni
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Q26566;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Distributed under the Creative Commons
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=6183;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium,
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15; Conserv
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Pred. No.
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                         GO; GO:0005524; F:ATP binding; IEA.
GO; GO:0005509; F:calcium ion binding; IEA.
GO; GO:0004713; F:protein-tyrosine kinase ac
GO; GO:0004787; F:receptor activity; IEA.
GO; GO:0006468; P:protein amino acid phospho
InterPro; IPR000152; Asx_hydroxyl_S.
InterPro; IPR0006210; EGF.
InterPro; IPR000742; EGF.
InterPro; IPR001881; EGF-Ca_bd.
InterPro; IPR001891; EGF-Ca_bd.
InterPro; IPR001809; EGF_like.
                                                                                                                                                           88888
                                                                                                                                                                                                                                                                     EMBL; AF440359; AAL33602.2; -; mRNA. HSSP; P08581; 1R1W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAR-2002, integrated into U01-OCT-2003, sequence version 07-FEB-2006, entry version 17
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Pfam; PF07714; Pkinase_Tyr; 1.
Pfam; PF01030; Recep_L domain; 2.
PRINTS; PR00109; TYRKINASE.
SMART; SM00261; FU; 6.
SMART; SM00219; TyrKC; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN=ATCC 50154;
MEDLINE=21625102; PubMed=11752452;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Choanoflagellida; Codonosigidae; Monosiga
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                                                                                                                                                                                                                                                                                                                                        Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                         Science 301:361-363(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                            predates animal origins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=ATCC 50154;
MEDLINE=22752268; PubMed=12869759; DOI=10.1126/science.1083853;
King N., Hittinger C.T., Carroll S.B.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Monosiga brevicollis.
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                                                                                                                                                                                                                                                                                                                                                                                                                              "Evolution of key cell signaling
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     into early animal Proc. Natl. Acad.
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InterPro; IPR001245; Tyr pkinase.
InterPro; IPR008266; Tyr pkinase AS.
InterPro; IPR007087; Znf_C2H2.
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to early animal evolution.
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PS00109; PROTEIN KINASE TYR; 1.
PS00028; ZINC_FINGER_C2H2_1; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Carroll S.B.;
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MW; 1101A338C1653D8C CRC64;
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Pred. No.
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                                                                                                                                                           phosphorylation; IEA
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Attribution-NoDerivs License
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RESULT 69
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A Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.,
Ash B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
A Hofer M., Bruchhaus I., Willhoeft U., Bhattacharya A.,
A Chillingworth T., Churcher C.M., Hance Z., Harris B., Harris D.,
Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,
A Chillingworth T., Churcher C.M., Hance Z., Harris B., Harris D.,
A Whitehead S., Quail M.A., Rabbinowitsch E., Norbertczak H., Price C.,
A Whitehead S., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
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A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.,
A Mang Z., Guillen N., Gilchrist C., Stroup S.,
A Mang Z., Guillen N., Guillen N., Grand N., Gilchrist C., Stroup S.,
A Ma
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Best Local
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07-JUN-2005, integrated int
07-JUN-2005, sequence vers;
07-FEB-2006, entry version
Protein kinase, putative.
ORFNames=10.t00023;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE; PS00010; /
PROSITE; PS00022; F
PROSITE; PS01186; F
PROSITE; PS0026; F
PROSITE; PS01187; F
PROSITE; PS00107; F
PROSITE; PS00107; F
PROSITE; PS00107; F
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SMART; S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR003006; Ig_MHC.
InterPro; IPR000719; Prot kinase.
InterPro; IPR0002390; Ser thr pkinase
InterPro; IPR000436; Sushi SCR_CCP.
InterPro; IPR001245; Tyr_pkinase.
InterPro; IPR008366; Tyr_pkinase_AS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pfam; PF000008; EGF; 2.
Pfam; PF07645; EGF A; 1.
Pfam; PF07714; Pkinase Tyr; 1.
Pfam; PF000084; Sushi; T.
                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=HM-1:IMSS;
PubMed=15729342; DOI=10.1038/nature03291;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Entamoebidae; Entamoeba
NCBI_TaxID=294381;
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Distributed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Entamoeba histolytica HM-1:IMSS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE;
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                                                               preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; PR00109; TYRKINASE.
; PD000001; Prot_kinase;
SM00032; CCP; 1.
SM00181; EGF; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SM00179; EGF_CA; 1.
SM00219; TyrKc; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         μ.
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12; Conserv
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  by the UniProt Conunder the Creative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ASX HYDROXYL; 1.
; EGF 1; 2.
; EGF 2; 1.
; EGF 3; 3.
; EGF CA; 1.
; EGF MHC; UNKNOWN 1.
; PROTEIN KINASE ATP; UPROTEIN KINASE TYR; 1
; PROTEIN KINASE TYR; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUSHI;
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_SCR_CCP.
  Consortium,
tive Commons
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Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRT;
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  see http://www.uniprot.org/terms
Attribution-NoDerivs License
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Best Local
Query Match
Best Local
                                                                                                                                                                                                                                                                      PubMed=14624247; DOI=10.1371/journal.pbio.0000045; Stein L.D., Bao Z., Blasiar D., Blumenthal T., Brent M.R., Chinwalla A., Clarke L., Clee C., Coghlan A., Coulson A., D'Eustachio P., Fitch D.H.A., Fulton L.A., Fulton R.E., Griffiths-Jones S., Harris T.W., Hillier L.W., Kamath R., Kuwabara P.E., Mardis E.R., Marra M.A., Miner T.L., Minx P., Mullikin J.C., Plumb R.W., Rogers J., Schein J.E., Sohrmann Spieth J., Stajich J.E., Wei C., Willey D., Wilson R.K., Dur Waterston R.H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GO; QQ
                                                                                                                                                                                                                 "The genome sequence of Caenorhabditis briggsae: a platform comparative genomics.";
PLOS Biol. 1:166-192(2003).
-!- CAUTION: The sequence shown here is derived from an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROSITE; PS00107; PROTEIN_KINASE_ATP; 1.
PROSITE; PS50011; PROTEIN_KINASE_DOM; 1.
PROSITE; PS00108; PROTEIN_KINASE_ST; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ProDom; PD000001; PI
SMART; SM00261; FU;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pfam; PF00069; Pkinase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro, IPR006212; Furin repeat.
InterPro, IPR0007119; Prot Kinase.
InterPro, IPR008271; Ser thr pkin AS.
InterPro, IPR002290; Ser_thr pkinase.
InterPro, IPR001245; Tyr pkinase.
Dfom: DR00169. brinase.
                                                                                       InterPro; IPR013032; EGF_like_reg.
InterPro; IPR002919; Prot_Inh_CR_TIL.
                                                                                                                     EMBL; CAAC01000098; CAE72086.1; -; Genomic_DNA.
                                                                                                                                               Copyrighted by the UniProt Consortium, see http://www.uniprot.org/to
                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=6238;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rhabditidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Caenorhabditis briggsae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Name=CBG19174;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-NOV-2004,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q60WC9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q60WC9_CAEBR
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                                                                PROSITE;
                                                                                Pfam; PF01826; TIL;
                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-NOV-2004,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   L; AAFB01000050; EAL51244.1; -; Genomic_DNA.
GO:0005524; F:ATP binding; IEA.
GO:0004674; F:protein serine/threonine kinase activity;
GO:0006468; P:protein amino acid phosphorylation; IEA.
                                                                                                                                                                                       preliminary data.
                                                                                                                                                                                                      EMBL/GenBank/DDBJ whole genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         σ
 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                      PS01186; EGF 2; UNKNOWN proteome; Hypothetical F 135 AA; 14981 MW; 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 YFEEHKFSCITCSDGLFTNNCSSSTNVLYCQSY 786
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Peloderinae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prot_kinase; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nematoda; Chromadorea;
rinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28.1%;
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 27.9%;
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Score 56;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 56.5; DB 2; Pred. No. 2.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT;
                                         1 protein.
74B21060EAF539B6 CRC64;
                                                                                                                                                                                                      here is derived one shotgun (WGS)
 DB
21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
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              2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rhabditida;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12;
              Length 135;
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Matches

13;

Conservative

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Mismatches

13;

Indels

6;

Gaps

2

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RA Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N., RA Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., RA Bajic V.B., Brenner S. E., Batalov S., Forrest A.R., Zavolan M., RA Ambesi Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., RA Ambesi Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., RA Ambesi Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., RA Ambesi Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., RA Ambesi Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., RA Ambesi Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., RA Ambesi Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., RA Ambesi Impiombato A., Down T., Engstrom P., Fagiolini M., Faulkner G., Adi Bernardo D., Down T., Bustrom P., Fagiolini M., Faulkner G., Ra Fletcher C.F., Fukushima T., Furuno M., Futlaki S., Garriboldi M., Gouriboldi M., Harbers M., Hayashi Y., Henshi Y., Henshi Y., Henshi Y., Henshi Y., Hirokawa N., Alili D., Huminiecki L., Iacono M., Ikeo K., Iwama A., Ishikawa T., Alili D., Huminiecki L., Iacono M., Ikeo K., Iwama A., Ishikawa T., Alili J., Hirokawa I., Katoh M., Kawasawa Y., Kelso J., Kitamura H., Katoh M., Kanapin A., Katoh M., Kawasawa Y., Kelso J., Kitamura H., Kakitamo H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K., RA Kiraohkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J., Liu J., Lareau L.F., Lazarevic D., Lipovich L., Liu J., Liu J., Liu J., Lareau L.F., Lazarevic D., Lipovich L., Liu J., RA Matsuda H., Matsuzawa S., Mkit H., Mignone F., Miyake S., Morris K., RA Matsuda H., Matsuzawa S., Mkit H., Mignone F., Miyake S., Morris K., RA Matsuda H., Matsuzawa S., Mkit H., Mignone F., Miyake S., Morris K., RA Nilson R., Nahifawa S., Noris R., Pesole G., Pesole G., Pesole G., Pesole G., Pesole G., Ra Matsuda H., Matsuzawa S., Naci H., Rabaraka Y., Taki K., Ra Ambesi T., Shimada H., Shimada R., Takenaka Y., Taki K., Ra Ambesi T., Shimada H., Shimada R., Takenaka Y., Taki K., Ra Ambesi M., Kola J., Kanamori Katohana M
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(08CFA7; Q3UT30; Q6F233; Q9D351;
08-NOV-2005, integrated into UniProtKB/Swiss-Prot.
08-NOV-2005, sequence version 2.
07-MAR-2006, entry version 21.
Zinc finger protein 393 (Germ cell-specific zinc finger protein).
Name=Znf393; Synonyms=Gzf, Zfp393;
Mus musculus (Mouse).
Mus musculus (Mouse).
Chordata; Craniata; Vertebrata; Euteleostomi;
  Science
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=C57BL/6J; TISSUE=Egg;
PubMed=16141072; DOI=10.1126/science.1112014;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mech.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE (MRNA), AND TISSUE SPECIFICITY.
STRAIN=129/Sv X C57BL; TISSUE=Testis;
MEDLINE=22239718; PubMed=12351194; DDI=10.1016/S0925-4773(02)00258-7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata
Mammalia; Eutheria; Euarchontoglires;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Yan W., Burns K.H., Ma L., Matzuk M.M.;
"Identification of Zfp393, a germ cell-specific gene encoding a novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=10090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CPQNEQFRGCGTACEPTCE----NPKPMACTKQC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CSQNEYFDSLLHACIP-COLRCSSNTPPLTCORYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 c protein.";
118:233-239(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        [LARGE SCALE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Glires; Rodentia; Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     109
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                                                                                   Query Match
Best Local S
Matches 10
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"Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.";

"I FUNCTION: May be a germ cell-specific transcription factor that Day and College S. J. Schein J. Schei
                                                                                                                                                                                               ZN FING
ZN FING
ZN FING
CONFLICT
CONFLICT
                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                               Pfam; PF00096; zf-C2H2; 3. ProDom; PD000003; Znf_C2H2 SMART; SM00355; ZnF_C2H2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; AF508984; AAN31656.1; -; mRNA.
EMBL; AK018361; BAB31177.1; -; mRNA.
EMBL; AK139827; BAE24150.1; -; mRNA.
EMBL; BC064748; AAH64748.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                        PROSITE; PS00028; ZINC FINGER C2H2 1; 3.

PROSITE; PS50157; ZINC FINGER C2H2 2; 3.

PROSITE; PS50157; ZINC FINGER C2H2 2; 3.

DNA-binding; Metal-binding; Nuclear protein; Repeat; Transcription;

Transcription regulation; Zinc; Zinc-finger 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ensembl; ENSMUSG00000048626;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899; Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA]
STRAIN=C57BL/6J; TISSUE=E99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30; GO:0007276; P:gametogenesis;
InterPro; IPR007087; Znf_C2H2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUBCELLULAR LOCATION: Nucleus (Potential).
TISSUE SPECIFICITY: Exclusively expressed in testis and Localized to step 3-8 spermatids in testis and growing c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SIMILARITY: Contains 3 C2H2-type zinc fingers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MGI:2181068; Zfp393
9
                                                                                        10;
                                                                                                        Similarity
                                         CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
CNEREWESQLIRSLPEHGVRCPSQLAPIPFQNYC
                                                                                                                                                                          165
341 AA;
                                                                                                                                                                                                                        256
286
316
141
                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                    regulation;
                                                                                                                                                                                                                        280
310
338
141
                                                                                                                                                                                                 165
                                                                                                                                                                          38076
                                                                                                        27.9%;
29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    С2Н2; 2.
                                                                                                                                                                            MW;
                                                                                                                                                                                            Zinc finger protein 39
/FTId=PRO_0000047556.
C2H2-type 1.
C2H2-type 2.
C2H2-type 2.
C2H2-type 3.
C3H2-type 3.
S - G (in Ref. 3).
S - M (in Ref. 2; BAB
                                                                                   Score 56; DB Pred. No. 54; 7; Mismatches
                                                                                                                                                                            03F400D4485DDE3A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  musculus.
                                                                                                                                                                                                                                                                                                                                 protein 393
93
                                         υ
4
                                                                                      17;
                                                                                                                           Length 341
                                                                                                                                                                            BAB31177)
CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             growing oocytes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ovary
                                                                                   0
                                                                                   Gaps
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RESULT 72
Q4KLX7_XENLA
ID Q4KLX7_XENLA
AC Q4KLX7;
DT 02-AUG-2005,

PRELIMINARY;

PRT;

387 AA

integrated into UniProtKB/TrEMBL

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RX Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Strausberg R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altachul S.F., Zeebberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altachul S.F., Zeebberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Raha S.S., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Rahesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Marra M.A.,
"Generation and initial analysis of more than 15,000 full-length human
"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                  Query Match
Best Local S
Matches 16
                                                                                                                                                                                                                                                             Pfam; PF00531; Death; 1.

Pfam; PF00020; TNFR c6; 3.

SMART; SM00005; DEATH; 1.

SMART; SM00208; TNFR; 4.

PROSITE; PS50017; DEATH DOMAIN; 1.

PROSITE; PS00652; TNFR NGFR 1; 3.

PROSITE; PS50050; TNFR NGFR 2; 4.

SEQUENCE 387 AA; 42040 MW; DA256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-AUG-2005,
07-FEB-2006,
LOC398134 pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174; Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Xenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
Xenopodinae; Xenopus; Xenopus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GO; GO:0005515; F:protein binding; IEA.
GO; GO:0004872; F:receptor activity; IEA.
GO; GO:0007165; P:signal transduction; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Klein S., Gerhard D.S.;
Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Embryo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Klein S.L., Strausberg Richardson P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE=Embryo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR000488; Death.
InterPro; IPR001368; TNFR_c6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE=Embryo;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     initiative.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE
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   103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BC098955; AAH98955.1; -;
                                                                                                                                                                     Similarity
                                                               CSQNEYFDSLLHACIPCQL-----RC---
CPERQYLDS-NGICLPCQLCSKGHGVVSQCTHNKNTVCQLCSSGFYSEVKSSESPCLPCR 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein.
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                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          entry version 3.
                                                                                                                                                                 27.9%;
                                                                                                                                     6.
                                                                                                                                                                     Score 56; DB 2; Length 387; Pred. No. 62;
                                                                                                                                                                                                                                                                    DA256A239C618A8B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mRNA
                                                                                                                                  Mismatches
                                                                                                                                     30;
                                                                  SSNTPPLTCO
                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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RESULT 74
Q6NUF1 XENLA
ID Q6NUF1 XENLA
AC Q6NUF1;
                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                      Pfam; PF00531; Death; 1.

Pfam; PF00020; TNFR_C6; 3.

SMART; SM00005; DEATH; 1.

SMART; SM00208; TNFR; 4.

PROSITE; PS00052; TNFR NGFR 1; 3.

PROSITE; PS0050; TNFR_NGFR_2; 4.
                                                                                                                                                                                                                                                                                                                                                                GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0005515; F:protein binding; IEA.
GO; GO:0004872; F:receptor activity; IEA.
GO; GO:0007165; P:signal transduction; IEA.
InterPro; IPR000488; Death.
InterPro; IPR011029; DEATH like.
InterPro; IPR001368; TNFR C6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Xenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAY-2000,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; AB162703; BAI
HSSP; P07174; INGR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; AF131890; AAD54072.1; -; mRNA.
EMBL; AB162703; BAD36761.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Copyrighted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             convergent extension movements.";
Nat. Cell Biol. 6:741-748(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sasai N., Nakazawa Y., Haraguchi T., Sasai Y.; "The neurotrophin-receptor-related protein NRH1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sasai N., Nakazawa Y.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
Hick E., Sun B.I., Collins-Racie L., LaVallie E., Sive F.
Submitted (FEB-1999) to the EMBL/GenBank/DDEJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P75-like transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAY-2000, sequence version 07-FEB-2006, entry version 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAY-2000,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q9PVD4_XENLA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PubMed=15258592;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=8355;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=NRH1a;
                                                                                                                                                                                                        Local
                                                                                  162
                                                                                                                                      103 CPERQYLDS-NGICLPCQLCSKGHGVVSQCTHNKNTVCQLCSSGFYSEVKSSESPCLPCR 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  162 TEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            32
                                                                                                           32 RYC
                                                                                                                                                                1 CSQNEYFDSLLHACIPCQL-----RC---
                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RYC
                                                                                  TEC
                                                                                                                                                                                                                                                            Transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     by the UniProt Consortium,
                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     integrated into UniProtKB/TrEMBL
                                                                                                                                                                                                                                                AA; 42067 MW;
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               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DOI=10.1038/ncb1158;
                                                                                                                                                                                                      27.9%;
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                                                                                                                                                                                        Score 56; DB Pred. No. 62; 6; Mismatches
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                                                                                                                                                                                                                                                1A386A239C7C8A82 CRC64;
               392
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Attribution-NoDerivs License
                                                                                                                                                                                                                  DB 2; Length 387;
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RX MEDLINE=2238257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RX Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Hopkins R.F., Jordan H., Moore T., Kaninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Raha S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,
RA Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Hahey J., Halton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Rahesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human rand mouse cDNA seemences ""
"Generation and initial analysis of more than 15,000 full-length human
Best Loc
Matches
                                      Query Match
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05-JUL-2004,
07-FEB-2006,
                                                                                                                                                                          Pfam; PF00531; Death; 1. Tefam; PF00020; TNFR c6; 3. SMART; SM00005; DEATH; 1. SMART; SM00208; TNFR; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Xenopus laevis (African clawed frog).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
Xenopodinae; Xenopus; Xenopus.
                                                                                                                                                                                                                                             InterPro; IPR000488; Death.
InterPro; IPR011029; DEATH like.
InterPro; IPR001368; TMFR_C6.
                                                                                                                                                                                                                                                                                                          EMBL; BC068640; AAH68640.1; -; mRNA,
GO; GO:0005515; F:protein binding; IE
GO; GO:0004872; F:receptor activity;
GO; GO:0007165; P:signal transduction
                                                                                                                                                                                                                                                                                                                                                                                                            Copyrighted by the UniProt Condition Distributed under the Creative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Klein S., Strausberg R.;
Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174; Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOC398134 protein Name=LOC398134;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         initiative
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              Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mouse cDNA sequences.";
c. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
  l Similarity
16; Conser
                                                                                                     PS50050; TNFR_NGFR_2; 4.
                                                                                                                                                        PS50017;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       225:384-391(2002).
                                                                             392
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sequence version
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                                                                                                                                    DEATH_DOMAIN; 1.
TNFR_NGFR_1; 3.
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the Creative Commons
                                                                             42538 MW;
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25.4%;
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Score 56; DB Pred. No. 63; 6; Mismatches
  6
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                                      DB 2;
                                  Length 392;
  Indels
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  30;
Gaps
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QGOK18 CAEBR Q60K18; 23-NOV-2004, in 23-NOV-2004, se 07-FEB-2006, en Hypothetical pr Name=CBG24263;

sequence version 1. entry version 7.

integrated into UniProtKB/TrEMBI

PRELIMINARY;

PRT;

938

protein

CAEBR

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RESULT 75
Q3CXH7 ALTAT PRELIMINARY; PRT; 1
D CXH7 ALTAT PRELIMINARY; PRT; 1
AC Q3CXH7;
DT 22-NOV-2005, sequence version 1.
DT 22-NOV-2005, sequence version 1.
DT 22-NOV-2005, sequence version 3.
DE 22-NOV-2005, entry version 3.
DE 22-NOV-2005, sequence version 1.
DT 07-PEB-2006, entry version 3.
DE 22-NOV-2005, sequence The Composition of the Composition of the Composition of the Composition of the Depth of the Composition of the Depth of the EMBL/GenB. RA Hammon N., Israni S., Pitluck S., Rick Coppland A., Lucas S., Lapidus A., Ba. RA Hammon N., Israni S., Pitluck S., Rick Coppland A., Lucas S., Lapidus A., Ba. RA Hammon N., Israni S., Pitluck S., Rick Coppland A., Lucas S., Lapidus A., Ba. RA Hammon N., Israni S., Pitluck S., Rick Coppland A., Lucas S., Lapidus A., Ba. RA Hammon N., Israni S., Pitluck S., Rick R. Stanited (SEP-2005) to the EMBL/GenB. RA Hammon N., Israni S., Pitluck S., Rick R. Stanited (SEP-2005) to the EMBL/GenB. RA Larimer F., Land M., R. (2) STRAIN=T6C;
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US DOE Joint Genome Institute (JGI-OR RA Larimer F., Land M., R. (2) STRAIN=T6C;
US DOE Joint Genome Institute (JGI-OR RA Larimer F., Land M., R. (2) STRAIN=T6C;
RC STRAIN=T6C;
US DOE Joint Genome Institute (JGI-OR RA Larimer F., Land M., R. (2) STRAIN-T6C;
US DOE Joint Genome Institute (JGI-OR RA Larimer F., Land M., R. (2) STRAIN-T6C;
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RESULT 76
Q60K18 CAE
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Copeland A., Lucas S., Lapidus A., Barry K.,
Hammon N., Israni S., Pitluck S., Richardson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (OCT-2005) to the EMBL/GenBank/DDBJ databases. -!- CAUTION: The sequence shown here is derived from an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL; AAKP01000001; EAO69851.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Copyrighted by the UniProt Consortium,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hammon N., Israni S., Pitluck S., Richardson P.; "Sequencing of the draft genome and assembly of Pseudoalteromonas atlantica T6c.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pseudoalteromonadaceae; Pseudoalteromonas
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GO:0009228; P:thiamin biosynthesis; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GO:0006118; P:electron transport; IEA. GO:0008152; P:metabolism; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GO:0004174; F:electron-transferring-flavoprotein dehydrog. GO:0016491; F:oxidoreductase activity; IEA.
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                                                                                                                                                                                                                                                                                                                       CQKIDYPKYDSVLSFDKLSSVFLSNTNHEEDQPCHLKLKDNTVPITVNLPLYDEPAQRYC
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Q28983;
01-NOV-1997,
01-NOV-1996,
07-MAR-2006,
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                                                                                            the egg extracellular matrix is homologous to von Willebrand factor."; J. Biol. Chem. 270:26025-26028(1995).
-i- FUNCTION: Binds in a species-specific manner to the zona pellucida of the egg. May be involved in gamete recognition and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
SEQUENCE
                                                                                                                                                                      NUCLEOTIDE SEQUENCE [MRNA], AND PROTEIN 883-896; 920-925; 960-967; 1235-1244; 13 1658-1667; 1777-1795 AND 1914-1921. STRAIN=Meishan; TISSUE=Testis; STRAIN=Meishan; PubMed=7592795; DOI=10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Caenorhabditis briggsae.
Bukaryota; Metazoa; Nematoda; Chromadorea;
Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                      Eukaryota;
                                                                                                                                                                                                                                                                                                  Sus scrofa (Pig).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            comparative genomics.";
PLoS Biol. 1:166-192(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=AF16;
PubMed=14624247;
                                                                                                                                               "A sperm membrane protein that binds in
                                                                                                                                                              Hardy D.M., Garbers D.L.;
                                                                                                                                                                                                                                                NCBI_TaxID=9823;
                                                                                                                                                                                                                                                                          Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                Name=ZAN;
                                                                                                                                                                                                                                                                                                                         Zonadhesin precursor.
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      SIGNAINT: Probably forms covalent oligomers.
SUBUNIT: Probably forms covalent oligomers.
SUBCELLUAR LOCATION: Type I membrane protein, exclusively on tapical region of the sperm head (By similarity).
TISSUE SPECIFICITY: In testis, primarily in haploid spermatids.
Not in lung, liver, heart, spleen, brain, kidney, epididymis.
DOMAIN: The MAM domains probably mediate sperm adhesion to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CAUTION: The sequence shown here is derived EMBL/GenBank/DDBJ whole genome shotgun (WGS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                genome sequence of Caenorhabditis briggsae: a platform for
                                                                                                                                                                                                                                                                                                                                                                                                                                                      437
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8; Conser
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                                                                                                                                                                                                                                                                                   Metazoa;
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                                                                                                                                                                                                                                                                                                                                      sequence version 1. entry version 48.
                                                                                                                                                                                                                                                                                                                                                              integrated into UniProtKB/Swiss-Prot.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ΑΑ,
                                                                                                                                                                                                                                                                                                                                                                                       STANDARD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DOI=10.1371/journal.phio.0000045;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hypothetical 106776 MW;
                                                                                                                                                                                                                                                                         Chordata; Craniata; Vertebrata; Euteleostomi; Laurasiatheria; Cetartiodactyla; Suina; Suida
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A57E19A356BF605D
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1349-1354;
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Attribution-NoDerivs License
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                                                                                                                                    a species-specific manner to
ous to von Willebrand factor.
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                                                                                                                                                                                                             OF 823-830; 859-872;
1518-1532; 1624-1656;
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Pfam; PF00008; EGF; 1.

Pfam; PF00008; PT; 1.

Pfam; PF01826; TIL; 5.

Pfam; PF01826; TIL; 5.

Pfam; PF000094; VWD; 4.

SMART; SM00181; EGF; 1.

SMART; SM00216; VWC; 04.

SMART; SM00216; VWC; 04.

SMART; SM00216; VWC; 1.

SMART; SM00216; VWC; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Copyrighted
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SIMILARITY: Contains 1 EGF-like domain.
SIMILARITY: Contains 2 MAM domains.
SIMILARITY: Contains 5 VWFD domains.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Processing might occur during sperm maturation and/or
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| IPR000742;
| IPR006209
| IPR013032;
| IPR00998;
| IPR002919;
| IPR003328;
| IPR003328;
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IPR001846;
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EGF_like_reg.
MAM.
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TILa_Cysrich.
VWC_out.
VWF_C.
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e; Repeat; Signal; Transmembrane.
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VWFD
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Cytoplasmic (Potential)
MAM 1.
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Extracellular (Potent
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 Q9VE40 DROME
Q9VE40;
01-MAY-2000,
01-MAY-2000,
07-FEB-2006,
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CARBOHYD
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Envelope protein; Polyprotein; Transmembrane
NON_TER 1 1
NON_TER 146 146
                                                                                                                                                                                                                                                                                                                                                                                                                 Shinzawa H., Shao L., Jiang Q., Togashi H., Zhang X., Ishibashi M. Watanabe H., Saito T., Takahashi T., Ohba K., Mizokami M.; Submitted (AUG-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepacivirus.
NCBI_TaxID=11103;
                                                                                                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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07-FEB-2006,
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Q9EP28;
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                                                                          DROME
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                                                                                                                                                       CSQN----EYFDSLLH--ACIPCQ----LRCSSNTPPLTCQRY 33
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     Science
[2]
NUCLEOTIDE SEQUENCE.
MEDLINE=22426069; PubMed=12537572;
Misra S., Crosby M.A., Mungall C.J
                                                                    Patel S., Frise E., Wheeler
Ashburner M., Celniker S.E.
"The transposable elements
a genomics perspective.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CG7714-PA (RH24988p).
ORFNames=CG7714, Dmel_CG7714;
                                                                                                                      MEDLINE=22426070; PubMed=
Kaminker J.S., Bergman C.
                                                                                                                                                                                                                                                                                                       MEDLINE=22426065;
                                                                                                                                                       NUCLEOTIDE SEQUENCE
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    Mungall C.J.,
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RA Addams M.D., Celniker S.E., Holt R.A., Evans C.A., Galle R.F.,
RA Addams M.D., Celniker S.E., Holt R.A., Evans C.A., Galle R.F.,
RA Mannatides P.G., Scherer S.E., Holt R.A., Evans C.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA George R.G., Cortean J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Burtin G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Burtin G.G., Rogers Y.-H.C., Blazel R.G., Champe M., Pfeiffer B.D.,
RA Man K.H., Doyle C., Baxerdale J., Bayraktaroglu L., Beasley E.M.,
RA Maril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Burtis K.C., Blasen D.A., Buller H., Cadleu E., Center A., Chandra I.,
RA Gepablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Gepablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Gepablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Goldek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D.A., Heiman T.J., Hernandez J.R., Fleischmann W.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Diegwam C.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Pacleb J.M.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Pacleb J.M.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Pacleb J.M.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Pacleb J.M.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Weinsen M.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Wang A.H., Wang
                                                                                                                                                                                                                                                                                                                                                   Celliker S.E., Wheeler D.A., Kronmiller B., Carlson J.W., Halpern A., Patel S., Adams M., Champe M., Dugan S.P., Frise E., Hodgson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Pacleb J.M., Park S., Ffeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter C. Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M.; "Finishing a whole-genome shotyun: release 3 of the Drosophila melanogaster euchromatic genome sequence."; Genome Biol. 3:RESEARCH0079-RESEARCH0079(2002).
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;

Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;

Ephydroidea; Drosophilidae; Drosophila.

MCBI TaxID=7227;
3:RESEARCH0084.1-RESEARCH0084.20(2002)
                                                                                                                                                                                               ryman C.M., Kronmiller
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PubMed=12537568;
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Wheeler D.A.,
                                                                        of the Drosophila melanogaster
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Best Local
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Q4IFW6;
16-AUG-2005, integrated
16-AUG-2005, sequence v
07-FEB-2006, entry vers
Hypothetical protein.
ORFNames=FG03892,1;
STRAIN=PH-1 / NRRL 31004;
STRAIN=PH-1 / NRRL 31004;
Birren B.W., Nusbaum C., Abouelleil A.,
Arachchi H.M., Barna N., Bastien V., Bl.
Arachchi H.M., Barna N., Calvo S.E.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stapleton M., Brokstein P., Hong L., Agbayani A., Carlson J., Champe M., Chavez C., Dorsett V., Dresnek D., Farfan D., Fris George R., Gonzalez M., Guarin H., Kronmiller B., Li P., Liao Miranda A., Mungall C.J., Nunco J., Pacleb J., Paragas V., Paclel S., Phouamenavong S., Wan K., Yu C., Lewis S.E., Rubin
                                                                                                                                            Gibberella zeae (Fusarium graminearum)
Eukaryota; Fungi; Ascomycota; Pezizomy
Hypocreomycetidae; Hypocreales; Nectri
NCBI_TaxID=5518;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=Berkeley;
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Celniker S., Carlson J., Wan K., Pfeiffer
Hoskins R., Stapleton M., Pacleb J., Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE.
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L; AY071711; AAL49333.1; -; mRNA.
Base; FBgn0038645; CG7714.
G0:0005576; C:extracellular region; IEA.
G0:0008061; F:chitin binding; IEA.
G0:0008061; F:chitin metabolism; IEA.
G0:0006030; P:chitin metabolism; IEA.
G0:0006030; P:chitin metabolism; IEA.
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NCE 225
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                                                                         SEQUENCE [LARGE SCALE GENOMIC DNA]
1 / NRRL 31084;
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                                                                                                                                                                                                                                                                                                entry version
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AA; 22568 MW;
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Pred. No. 41
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                         Bloom T.,
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       Camarata J.,
                                                   Allen N.,
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Svirskas I
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, Liao G.,
V., Park S.,
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RA Diaz J.S., Dodge S., Dooley K., Dorris L., Elkins T., Engels R.,
RA Erickson J., Faro S., Ferreira P., FitzGerald M., Gage D.,
RA Erickson J., Faro S., Ferreira P., FitzGerald M., Gage D.,
RA Galagan J.E., Gardyna S., Gnerre S., Graham L., Grand-Pierre N.,
RA Hafez N., Hagopian D., Hagos B., Hall J., Horton L., Hulme W.,
RA Hilev I., Jaffe D., Johnson R., Jones C., Kamal M., Kamat A.,
RA Lui A., Ma L.-J., Mabbitt R., MacLean C., Macdonald P., Major J.,
RA Lui A., Ma L.-J., Mabbitt R., MacLean C., Macdonald P., Major J.,
RA Manning J., Matthews C., Manceli E., McCarthy M., Meldrim J.,
RA Meneus L., Mihova T., Mlenga V., Murphy T., Naylor J., Nguyen C.,
RA Micol R., Nielsen C.B., Norbu C., O'Connor T., O'Donnell P.,
RA Nicol R., Nielsen C.B., Norbu C., O'Connor T., O'Donnell P.,
RA Nicol R., Nielsen C.B., Norbu C., O'Connor T., O'Donnell P.,
RA Rogov P., Roman J., Schauer S., Schupback R., Seaman S., Severy P.,
RA Rogov P., Roman J., Schauer S., Stange-Thomann N., Stojanovic N.,
RA Stubbs M., Talamas J., Tesfaye S., Theodore J., Topham K., Travers M.,
RA Vassiliev H., Venkataraman V.S., Viel R., Vo A., Wang S., Wilson B.,
Wu X., Wyman D., Young G., Zainoun J., Zembek L., Zimmer A., Zody M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DR G0; GO:0005634; C:nucleus; IEA.

R G0; GO:00046872; F:metal ion binding; IEA.

DR G0; GO:0003700; F:transcription factor activity; IEA.

DR G0; GO:0008270; F:zinc ion binding; IEA.

DR G0; GO:0008270; F:zinc ion binding; IEA.

DR G0; GO:0006355; P:regulation of transcription, DNA-dependent; IEA.

R G0; GO:0006330; P:transcription; IEA.

R G0; GO:0006330; P:transcription; IEA.

DR G0; GO:0006351; Pingal_trans; 1.

Pfam; PF04082; Fungal_trans; 1.

Pfam; PF04172; Zn clus; 1.

R Pfam; PF04172; Zn clus; 1.

R Pfam; PF00172; Zn clus; 1.

PR PRINTS; PR00054; FUNGALZNCYS.

DR PRINTS; PR00054; FUNGALZNCYS.

DR PROSITE; PS50048; ZN2 CY6 FUNGAL 2; 1.

R PROSITE; PS50048; ZN2 CY6 FUNGAL 2; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                            NUCLEOTIDE SEQUENCE.
Lian Z., Liu J., Li
Wang H., Arbuthnot I
Submitted (DEC-2002)
                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-2003,
01-JUN-2003,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Fusarium graminearum genome sequence.";
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-i- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q86WK8 HUMAN
Q86WK8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AACM01000168; EAA73360.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Copyrighted by the UniProt Consortium, see http://www.uniprot.org/to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HUMAN
18
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                                                                                                                                                                                                      TaxID=9606;
                                                                                                                                                                                                                                                                                                                                         sapiens (Human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SQNEYFDSLLHACIPC --- QLRCSSNTPPLTCQ
                                                                                                                                                                                                                                                                         Eutheria;
                               (DEC-2002) to the
                                                                                                   iu J., Li
                                                                                                                                                                                                                                                                                                      Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                  integrated into UniProtKB/TrEMBL sequence version 1. entry version 14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRELIMINARY;
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                                                                                     . L.,
                                                                                                                                                                                                                                                               Chordata; Craniata;
Euarchontoglires; Pi
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                                                               Kew M., Feitelson M.A
                               EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6,
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Pred. No. 82;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
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                                                                                                                                                                                                                                                                      Primates;
                                                                                                                                                                                                                                                                                                             Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            B
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                                                                                                   Clayton
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RABSULT RABSUL
RX PubMed=16141072; DOI=10.1126/science.1112014;
RA Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N., RA Cyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., RA Gyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., RA Gyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., RA Gyama R., Ravasi T., Lenhard B., Forrest A.R., Zavolan M., Rayter L., Beisel K.W., Bersano T., Bono H., Chalk A.M., RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R., Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., RA Gerarado D., Down T., Engetrom P., Fagiolini M., Faulkner G., RA Gerarado D., Down T., Engetrom P., Fagiolini M., Faulkner G., RA Gerarado D., Down T., Engetrom P., Fagiolini M., Faulkner G., RA Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E., RA Gustincich S., Harbers M., Hayashi Y., Hensch T.K., Hirokawa N., RA Gustincich S., Harbers M., Katoh M., Kawasawa Y., Kelso J., Kitamura H., RA Gustincich S., Harbers M., Hayashi Y., Hensch T.K., Liu J., Liu J., Lareau L.F., Lazarevic D., Lipovich L., Liu J., Liu J., Liu S., McWilliam S., Madan Babu M., Madera M., Marchionni L., Katsuawa S., Miki H., Mignone F., Miyake S., Morris K., RA Mctada H., Matsuawa S., Miki H., Mignone F., Miyake S., Morris K., RA Mottagui-Tabar S., Mulder N., Nakano N., Nakauchi H., Ng P., RA Okazaki Y., Ozlando V., Pang K.C., Pavan W.J., Pavesi G., Pesole G., Pesole G., Pavan W.J., Pavesi G., Pesole G., RA Petrovsky N., Piazza S., Reed J., Randelin A., Schneider C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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Q3U515;
11-OCT-2005,
11-OCT-2005,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro; IPR001304; Lectin_C.
InterPro; IPR006552; VWC_out.
InterPro; IPR001007; VWF_C.
Pfam; PF00093; VWC; 5.
SMART; SM00214; VWC; 5.
PROSITE; PS00615; C_TYPE_LECTIN_1; UNKNOWN_1.
PROSITE; PS01208; VWFC_1; UNKNOWN_5.
PROSITE; PS0184; VWFC_2; 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertek
Mammalia; Eutheria; Euarchontoglires; Glires;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE.
STRAIN=NOD; TISSUE=Thymus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9; Carninci P., Hayashizaki Y.; "High-efficiency full-length cDNA cloning."; Methods Enzymol. 303:19-44(1999).
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Distributed under the Creative
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STRAIN=NOD; TISSUE=Thymus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               library, clone:E430008E02
Name=1300015B04Rik;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; AY205235; AAO47606.1; -;
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70470 MW;
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37.5%;
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Pred. No. 1.3e-
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
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Attribution-NoDerivs License
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lires; Rodentia; Sciurogna
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RA Schonbach C., Sekiguchi K., Semple C.A., Seno S., Sessa L., Sheng Y.,
RA Shibata Y., Shimada H., Shimada K., Silva D., Sinclair B.,
RA Sperling S., Stupka E., Sugiura K., Sultana R., Takenaka Y., Taki K.,
RA Tammoja K., Tan S.L., Tang S., Taylor M.S., Tegner J., Teichmann S.A.,
RA Grimmond K., Van Nimwegen E., Verardo R., Wei C.L., Yagi K.,
RA Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Grimmond S.M., Teasdale R.D., Liu E.T., Brusic V., Quackenbush J.,
RA Wahlestedt C., Mattick J.S., Hume D.A., Kai C., Sasaki D., Tomaru Y.,
RA Wahlestedt C., Mattick J.S., Hume D.A., Kai C., Sasaki D., Tomaru Y.,
RA Fukuda S., Kanamori-Ratayama M., Suzuki M., Aoki J., Arakawa T.,
RA Kawashima T., Kojima M., Kato T., Kawaji H., Kawagashira N.,
RA Kawashima T., Kojima M., Kondo S., Konno H., Nakano K., Ninomiya N.,
RA Kawashima T., Kojima M., Plessy C., Shibata K., Shiraki T., Suzuki S.,
RA Tagami M., Waki K., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai J.,
an Hayashizaki Y.;
an Mara Mara M., Kana Mara M., Kana M., Waki M., Waki M., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai J.,
an Mara M., Waki K., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai J.,
an Mara M., Kana M., Kana M., Kana M., Kana M., Waki M., Waki Y.;
an Mara M., Waki K., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai J.,
an Mara M., Kana M., Kana M., Kana M., Kana M., Waki M., Waki M., Waki M., Waki M., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai J.,
an Mara Mara M., Kana M., Kana Mara M., Kana Mara
           RA Okazaki Y., Furuno M., Kasukawa T., Adachi J., Bono H., Kondo S.,
RA Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,
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RA Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Schombach C., Gojobori T.,
RA Baldarelli R., Hill D.P., Blit C., Hume D.A., Quackenbush J.,
RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
RA Gasaterland T., Gariboldi M., Gissi C., Godzik A., Gough J.,
RA Grimmond S., Gustincich S., Hirokawa N., Jackson I.J., Jarvis E.D.,
RA Kanai A., Kawaji H., Kawasawa Y., Kedzierski R.M., King B.L.,
Konagaya A., Kurochkin I.V., Lee Y., Lenhard B., Lyons P.A.,
RA Konagaya A., Kurochkin I.V., Lee Y., Lenhard B., Lyons P.A.,
RA Maglott D.R., Maltais L., Marchionni L., McKenzie L., Miki H.,
RA Magashima T., Numata K., Okido T., Pavan W.J., Pertea G., Pesole G.,
RA Ravasi T., Reed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M.,
RA Sultana R., Takenaka Y., Taylor M.S., Setou M., Shimada K.,
RA Verardo R., Wagner L., Wahlestedt C., Wang Y., Watanabe Y., Wells C.,
RA Yuan Z., Zavolan M., Zhu Y., Zimmer A., Carninci P., Hayatsu N.,
RA Yuan Z., Zavolan M., Zhu Y., Zimmer A., Carninci P., Hayatsu N.,
RA Hirozane-Kishikawa T., Konno H., Nakamura M., Sakazume N., Sato K.,
RA Mijaraki T., Waki K., Kawai J., Aizawa K., Arakawa T., Fukuda S.,
RA Mijaraki T., Waki K., Sasaki D., Shibata K., Shinagawa A.,
RA Yasunishi A., Yoshino M., Waterston R., Lander E.S., Rogers J.,
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RA Hirozane K., Takashi Zume W., Sakai K., Sasaki D., Shibata K., Shinagawa A.,
RA Yasunishi A., Schi C., Shinagawa A.,
RA Yasunishi C., Shinagawa M., Shiraki Y., Ishi Y., Itha Yasunishi A., Schai K., Shinagawa A.,
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Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y., Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S., Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I., Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R., Kadota K., Matsuda H.A., Ashburner M., Baralov S., Casavant T., Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H., Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G., Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F., Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M., Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE:
STRAIN=NOD; TISSUE=Thymus;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE.
STRAIN-NOD; TISSUE=Thymus;
PubMed=16141073; DOI=10.1126/science.1112009;
PubMed=16141073; DOI=10 Research Group, and Genome Science (Genome Exploration Research Group, and Genome Science (Genome Network Core Team) and the FANTOM Consortium;
"Antisense Transcription in the Mammalian Transcriptome.";
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GO; GO:0004867; F:serine-type endopeptidase in
InterPro; IPR000152; Asx hydroxyl_S.
InterPro; IPR006210; EGF.
InterPro; IPR006210; EGF.
InterPro; IPR000742; EGF 3.
InterPro; IPR013091; EGF Ca_bd_2.
InterPro; IPR013091; EGF Ca_bd_2.
InterPro; IPR013091; EGF [Ca_bd_2.
InterPro; IPR013091; EGF [ike reg.
InterPro; IPR013011; EGF_extracell.
InterPro; IPR01301; EGF_ike reg.
InterPro; IPR001304; Hectin_C.
InterPro; IPR0014094; Prot_inh_antistn.
InterPro; IPR004094; Prot_inh_antistn.
InterPro; IPR006552; VWC_out.
InterPro; IPR001501; VWF_C.
Pfam; PF00802; Antistasin; 1.
Pfam; PF007645; EGF_CA; 3.
Pfam; PF009033; VWC_5.
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STRAIN=NOD; TISSUE=Thymus;
STRAIN=NOD; TISSUE=Thymus;
Arakawa T., Carninci P., Fukuda S., Hashizume W., Hayashida K.,
Hori F., Iida J., Imamura K., Imotani K., Itoh M., Kanagawa S.,
Hori F., Kojima M., Konno H., Murata M., Nakamura M., Ninomiya N.,
Kawai J., Kojima M., Konno H., Sakazume N., Sano H., Sasaki D.,
Nishiyori H., Nomura K., Ohno M., Sakazume N., Sano H., Sasaki D.,
Shibata K., Shiraki T., Tagami M., Tagami Y., Waki K., Watahiki A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDINE=0530913; PubMed=11076861; DOI=10.1101/gr.152600; MEDINE=0530913; PubMed=11076861; DOI=10.1101/gr.152600; MEDINE=0530913; PubMed=11076861; DOI=10.1101/gr.152600; MEDINE=0530913; PubMed=11076861; N. Sasaki N. Carninci P., Shino H., Itoh M., Sunin N., Ishi Y., Nakamura S., Hazama M., Nishine T., Harada A., Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Yujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Wattahki M., Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.; "RIKEN integrated sequence analysis (RISA) system-384-format sequencing pipeline with 384 multicapillary sequencer."; Genome Res. 10:1757-1771(2000).
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   PROSITE;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Distributed under the Creative Commons
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                                                                                                                                                                                                                                   SM00181; EGF; 4.
SM00179; EGF CA; 3.
SM00214; VWC; 6.
; PS00010; ASX_HYDROXYL; 3, PS000615; C_TYPE_LECTIN_1; PS000625; EGF_1; UNUXNOWN_1; PS01186; EGF_2; 2; PS01187; EGF_3; 3.; PS01187; EGF_3; 3.; PS01187; EGF_1; 4.
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RX PubMed=14702039; DOI=10.1038/ng1285;
RA Oca T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R.,
RA Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H.,
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RA Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S.,
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RA Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A.,
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RA Namabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M.,
RA Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K.,
RA Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.,
RA Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Yamashita R.,
RA Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sasaki M.,
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Matches 12
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HSSP; P00743; 10
                                                                                                                                                                                           Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
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Q96DN2;
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                                                      InterPro;
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                                                                        GO:0005509; F:calcium ion binding; IEA.
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929 AA; 97676
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IPR000152; Asx_hydroxyl_S.
IPR006210; EGF.
IPR000742; EGF_3.
IPR001881; EGF_Ca_bd.
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entry version 19.
pfis, clone NT2RP7009498, weakly similar to FIBULIN-1,
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                                                                              inhibitor activity;
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QGIRM7 XENLA
QGIRM7;
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Distributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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Putative CHP-rich zinc finger protein similar to T10M13.18.
Putative CHP-rich zinc finger protein similar to T10M13.18.
Amme=T10M13.24, Synonyms=A74g02180; OrderedLocusNames=A44g02180; Arabidopsis thaliana (Mouse-ear cress).
Bukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
Johnson A.F., de la Bastide M., Lodhi M., Hoffman J., Hasegawa A., Johnson A.F., Gottesman T., Granat S., Hameed A., Kaplan N., Schutz K., Shohdy N., Van Keuren K., Parnell L., Dedhia N., Martienssen R., McCombie W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.6%; Score 55.5; DB 2; Length 955; 37.5%; Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
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Submitted (MAY-1997) to the EMBL/GenBank/DDBJ databases.
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Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FC_2; 5. _ _ 99885 MW; 88B0DCA8AABA9188 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROSITE; PS00010; ASX HYDROXYL; 3.
PROSITE; PS00615; C TVPE_LECTIN 1; UNKNOWN 1.
PROSITE; PS00612; EGF 1; UNKNOWN 1.
PROSITE; PS00186; EGF 2; 2.
PROSITE; PS01187; EGF 3; 3.
PROSITE; PS01187; EGF CA; 3.
PROSITE; PS01184; VWFC 1; UNKNOWN 5.
PROSITE; PS50184; VWFC 1; UNKNOWN 5.
PROSITE; PS50184; VWFC 2; 5.
SEQUENCE 955 AA; 99885 MW; 88B0DCA8AABA9188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 639 NETFPSVLDPCLSCICLLGSVACSPVDCPITC 670
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Mismatches
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EMBL; AL161493; CAB80711.1; -; Genomic_DNA.
LERO1332; EGF_like_reg.

DR InterPro; IPR001304; EGF_like_reg.

DR InterPro; IPR001504; Lectin C.

R Pfam; PF02822; Ancistagin; 1.

R Pfam; PF07974; EGF_2; 1.

Pfam; PF07974; EGF_2; 1.

Pfam; PF070974; EGF_CA; 3.

SMART; SM00181; EGF_CA; 5.

SWART; SM00181; EGF_CA; 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY; PRT;
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SMART; SM00179; EGF CA; 3.
SMART; SM00214; VWC; 6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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PIR; T01519; T01519.
TAIR; At4g02180; -.
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es 12; Conserv
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Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                               Xenopus laevis (African clawed frog).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE-Occytes;
MEDLINE-22341132; PubMed=12454917; DOI=10.1002/dydy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
Richardson P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Genetic and genomic tools for Xenopus research: The NIH Xenopus initiative.";
                                                                                                                         5,
                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE-Oocytes;
MEDLINE=22388257; PubMed=12477932; DOI=10_1073/pnas.242603899;
                                                                                                 Length 989;
                                                                                                                         Indels
InterPro; IPR011424; Cl 3.
InterPro; IPR002219; DAG PE_bd.
InterPro; IPR004146; DCl.
InterPro; IPR00146; DCl.
Ffam; PF03107; Cl_2; 4.
Pfam; PF07649; Cl_3; 6.
SEQUENCE 989 AA; 113843 MW; B78E4ACC3E2C130D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Klein S., Strausberg R., Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                               27.6%; Score 55.5; DB 2; ilarity 41.9%; Pred. No. 1.9e+02; Conservative 3; Mismatches 10;
                                                                                                                                                                                                                                                   05-JUL-2004, integrated into UniProtKB/TrEMBL 05-JUL-2004, sequence version 1.07-FEB-2006, entry version 15.
                                                                                                                                                            540 CARN-IDDRLFYHCSPCNFTLDLRCVLNPPP 569
                                                                                                                                                                                                                                  PRT; 1084 AA.
                                                                                                                                             1 CSONEYFDSLLHACIPC----QLRCSSNTPP 27
                                                                                                                                                                                                                                                                                                                                                     Xenopodinae; Xenopus; Xenopus.
                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Jev. Dyn. 225:384-391(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cDNA sequences.
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                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                        MGC83933 protein.
                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=8355;
                                                                                                                                                                                                                                                                                                      Name=MGC83933;
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NUCLEOTIDE SEQUENCE.

RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,

RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,

RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,

RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,

RA Gocrge R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,

RA Sutton G.G., Wortman J.R., Yandall M.D., Zhang Q., Chen L.X.,

RA Barlon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeififer B.D.,

RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,

RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley B.M.,

RA Barlow B., Botchan M.R., Bouck J., Brockstein P., Brottier P.,

RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,

RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,

RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,

RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,

RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,

RA Fosler C., Gabrielian A.E., Garrell J.H., Gu Z., Gelbart W.M., Glasser K.,

RA Glodek A., Gong F., Gorrell J.H., Gu Z., Galbart W.M., Glasser K.,

RA Hostin D., Houston K.A., Healman T.J., Hernandez J.R., Houck J.,

RA Liasko P., Lei Y., Leviteky A.A., Li J.H., Li Z., Liang Y., Lin X.,

RA Liasko P., Lei Y., Leviteky A.A., Li J.H., Li Z., Liang Y., Lin X.,

RA Liasko P., Lei Y., Leviteky A.A., Li J.H., Li Z., Liang Y., Lin X.,

RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,

RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Resse M.G.,

RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Resse M.G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Drosophila melanogaster (Fruit fly).

Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 55.5; DB 2; Length 1084; Pred. No. 2.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ANK repeat; Repeat. ___SEQUENCE 1084 AA; 119307 MW; 4099971A09FFA80C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAY-2000, integrated into UniProtKB/TrEMBL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q9VLT6_DROME PRELIMINARY; PRT; 2898 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 EYFDSLLHACIPCQLRCSSNTPPLTCQ 31
                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE; PS50297; ANK REP RECION; 1. PROSITE; PS50088; ANK REPEAT; 5. PROSITE; PS01179; PID; 1. PROSITE; PS50105; SAM_DOMAIN; 2.
             BC070831; AAH70831.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-OCT-2002, sequence version 3. 07-FEB-2006, entry version 26.
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                                                                                                InterPro; IPR011993; PH type.
InterPro; IPR006020; PTB PID.
InterPro; IPR001660; SAM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.6%;
                                                                                                                                                                                             Pfam; PF00023; Ank; 6.
Pfam; PF00640; PID; 1.
Pfam; PF00556; SAM 1; 2.
PRINTS; PR01415; ANKYRIN.
SMART; SM00348; ANK; 6.
SMART; SM00452; PTB; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10; Conservative
                                                ISSP; Q02410; 1AQC.
interPro; IPR002110; ANK.
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Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=22426065; PubMed=12537568; Carlson J.W., Halpern A., Celniker S.E., Wheeler D.A., Kronmiller B., Carlson J.W., Halpern A., Patel S., Adams M., Champe M., Dugan S.P., Frise E., Hodsson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Pacleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter C., Weinschock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M.; Prinishing a whole-genome shotgun: release 3 of the Drosophila melanogaster euchromatic genome sequence.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=22426070; PubMed=12537573;
Kaminker J.S., Bergman C.M., Kronmiller B., Carlson J.W., Svirskas R., Raminker J.S., Pries E., Wheeler D.A., Lewis S.E., Rubin G.M., Ashburner M., Celniker S.E., "The transposable elements of the Drosophila melanogaster euchromatin: "The transposable elements of the Drosophila melanogaster
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MEDLINE=22426069; PubMed=12537572;

Misra S., Crosby M.A., Mungall C.J., Matthews B.B., Campbell K.S.,
Misra S., Crosby M.A., Kaminker J.S., Millburn G.H., Prochnik S.E.,
Smith C.D., Tupy J.L., Whittield E.J., Bayraktaroglu L., Berman B.P.,
Bettencourt B.R., Celniker S.E., de Grey A.D.N.J., Drysdale R.A.,
Harris N.L., Richter J., Russo S., Schroeder A.J., Shu S.Q.,
Stapleton M., Yamada C., Ashburner M., Gelbart W.M., Rubin G.M.,
Lewis S.E.,
Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H., Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T., Spier B., Spradling A.C., Staplecon M., Strong R., Sun E., Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X., Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissenbach J., Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A., Yelley J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q. Zheng X.H., Zhong F.N., Zhan M., Zhang G., Zhao Q., Zheng L., The genome sequence of Drosophila melanogaster.";
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Berkeley Drosophila Genome Project;
Celniker S., Carlson J., Wan K., Pfeiffer B., Frise E., George R.,
Calniker S., Carlson M., Pacleb J., Park S., Svirskas R., Smith E.
Yu C., Rubin G.;
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Annotation of the Drosophila melanogaster euchromatic genome:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Drosophila melanogaster release 4 sequence.";
Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
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GO; GO106620; C:membrane; IEA.
GO; GO:0006509; F:calcium ion binding; IEA.
GO; GO:0004872; F:calcium ion binding; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
GO; GO:0007735; F:development; IEA.
InterPro; IPR000152; Asx_hydroxyl_S.
InterPro; IPR00152; GUB.
InterPro; IPR000152; EGF.
InterPro; IPR000742; EGF.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a genomics perspective.";
Genome Biol. 3:RESEARCH0084.1-RESEARCH0084.20(2002).
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Genome Biol. 3:RESEARCH0083.1-RESEARCH0083.22(2002).
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HSSP; P35555; 1EMN.
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134 134 1
147 AA; 16644 MW;
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Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                  11; Conservative
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Best Local Similarity
Matches 12; Conserv
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Matches 11; Conserv
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SEQUENCE
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Distributed under the Creative Commons Attribution-NoDerivs License
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MEDLINE=22508454; PubMed=12620739; DOI=10.1016/S0140-6736 (03)12659-1;

Makino K., Oshima K., Xurokawa K., Yokoyama K., Uda T., Tagomori K.,

Iijima Y., Najima M., Nakano M., Yamashita A., Kubota Y., Kimura S.,

Yasunaga T., Honda T., Shinagawa H., Hattori M., Iida T.;

"Genome sequence of Vibrio parahaemolyticus: a pathogenic mechanism
distinct from that of V. cholerae.";

Lancet 361:743-749(2003).

--- CATALYIT ACTIVITY: Protein L-methionine + thioredoxin disulfide =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SIMILARITY: Belongs to the msrB Met sulfoxide reductase family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1294 CROGSYGNATAPHGCLPCECNGHGNODLGVCNVSNGECYCKDNTQGLNCE 1343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14; Indels 19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 2898;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vibrio parahaemolyticus.
Bacteria; Proteobacteria; Gammaproteobacteria; Vibrionales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROSITE; PSSUUZG; ESF_3; 3.
PROSITE; PSU1187.
PROSITE; PSSUUZ48; EGF_LAM 1; 4.
PROSITE; PSSUUZ7; EGF_LAM 2; 4.
SEQUENCE 2898 AA; 323734 MW; 8CE87F618C5DAA51 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-JUN-2003, sequence vergion 1.
07-MAR-2006, entry version 18.
Peptide methionine sulfoxide reductase msrB (EC 1.8.4.6)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 55.5; DB 2;
Pred. No. 5.8e+02;
5; Mismatches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein L-methionine S-oxide + thioredoxin.
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InterPro; IPR01881; EGF Ca bd.
InterPro; IPR013191; EGF Ca bd 2.
InterPro; IPR013111; EGF extracell.
InterPro; IPR013021; EGF laminin.
InterPro; IPR013032; EGF like reg.
InterPro; IPR011498; Kelch 20.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                           InterPro; IPR006652; Kelch rep.
InterPro; IPR003659; Plexin-like.
InterPro; IPR002165; Plexin_repeat
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                                                                                                                                                                                                                                                                                                                                                                                                           400423; PSI; 8.
PS00010; ASX HYDROXYL; 1.
PS01180; CUB; 2.
                                                                                                                                                                                        Pfam; PP00431; CUB; 1.
Pfam; PP07645; EGF CA; 1.
Pfam; PP01344; KelCh 1; 7.
Pfam; PF07646; KelCh 2; 2.
Pfam; PF00053; LaminIn EGF; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27.6%;
                                                                                                                                                                                                                                                                                                                       SMART; SM00042; CUB; 2.
SMART; SM00181; EGF; 5.
SMART; SM00179; EGF_CA; 1.
SMART; SM00180; EGF_Lam; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PS00022; EGF 1; 6
PS01186; EGF 2; 6.
PS50026; EGF 3; 3.
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Best Local Similarity 24.v.
Best Local 12; Conservative
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                                                                                                                                                                                                                                                                                                     Pfam; PF01437; PSI; 3
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                                                                                                                                                                                                                                                                                                                                                                                                       SM00423; PSI;
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PROSITE;
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Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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Rhabditidae, Peloderinae, Caenorhabditis.
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MEDLINE=99069613; PubMed=9851916; DOI=10.1126/science.282.5396.2012;
InterPro; IPR002579; MsrB.
Pfam; PF01641; SelR; 1.
Probom; PD004057; DUP25; 1.
TIGRFAMs; TIGR00357; MsrB; 1.
Complete proteome; Oxidoreductase.
CHAIN 1 147 Peptide methionine sulfoxide reductase
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The C. elegans sequencing consortium;
"Genome sequence of the nematode C. elegans: a platform for
                                                                                                                                                                                                                                                                                                                                                   27.4%; Score 55; DB 1; Length 147; 28.2%; Pred. No. 31; ive 7; Mismatches 11; Indels
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28.6%; Pred. No. 71;
ive 7; Mismatches 15; Indels
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IntAct 1018118.
Ensembl: T23F1.6; Caenorhabditis elegans.
RormBase, WBGene00004153; T23F1.6.
WormPep: T23F1.6; CE14080.
GO; GO:0005515; F:protein binding; IPI.
InterPro; IPR009475; DUF1096.
InterPro; IRR03341; DUF139 Cys_rich.
Pfam; PF02363; C_triplex; 8.
Pfam; PF02433; DUF1096; 1.
Complece proteory Hypothetical protein.
SEQUENCE 310 AA; 36605 MW; F04181A90D3A8FE9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q17400:abu-1; NbExp=1; IntAct=EBI-326590, EBI-313842;
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                                                                                                                                                                                                                                                           By similarity.
089662190EFC3C0F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6 YFDSLLHACIPCQLRCSS-----NTPPLTCQRYC 34
                                                                                                                                                                                                                             /FTId=PRO 0000140313.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; Z81129; CAB03405.1; -; Genomic_DNA.
PIR; T25169; T25169.
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Homo sapiens (Human)
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                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         rissum=Testis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE=Testis
                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                              HUMAN
                                                                                                                                                                                                                                                                                                    RESULT 91
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1;
                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                    01-DEC-2001, sequence version 1.
21-FEB-2006, entry version 27.
Interleukin-12 p40 subunit.
Meriones unguiculatus (Mongolian jird) (Mongolian gerbil).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Gerbillinae; Meriones.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota; Pungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
Burotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
                                                                                                                                                                  Gaucher D., Chadee K.; "Molecular cloning of gerbil interleukin 12 and its expression as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=RIB 40;
PubMed=16372010; DOI=10.1038/nature04300;
Machida M., Asai K., Sano M., Tanaka T., Kumagai T., Terai G.,
Kusumoto K., Arima T., Akita O., Kashiwagi Y., Abe K., Gomi K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2;
                                                                                                                                                         MEDLINE=21290809; PubMed=11396996; DOI=10.1006/cyto.2001.0866;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 344;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Indels
                                                                                                                                                                                                                                                                                                                                                                                               PROSITE; PS01354; HEMATOD REC_L_F3; UNKNOWN_1.
PROSITE; PS50354; HEMATOD REC_L_F3; UNKNOWN_1.
Cytokine; Immunoglobulin domain; Repeat.
SEQUENCE 344 AA; 39375 MW; 21B513448D73E8CB CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.4%; Score 55; DB 2; 47.4%; Pred. No. 74;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-JAN-2006, integrated into UniProtKB/TrEMBL.
24-JAN-2006, sequence version 1.
07-MAR-2006, entry version 3.
                                              01-DEC-2001, integrated into UniProtKB/TrEMBL
                                                                                                                                                                                                                                                                                                                                      GO; GO:0005615; C:extracellular space; IEA. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0005125; F:cytckine activity; IEA. InterPro; IPR003530; Hempt rcpt_L_F3. InterPro; IPR007110; IG-1.ke. InterPro; IPR003598; IG_C2.
                            344 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Mismatches
                                                                                                                                                                                                                                                                                                                    EMBL; AF288612; AAK83061.1; -; mRNA.
HSSP; P29460; 1F45.
                           PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         326 AQDRYYNSLYSKHACVPCK 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 SQNEYFDSLL--HACIPCO 18
                           PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9_ASPOR
QZUP68_ASPOR PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               47.48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 47.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORFNames=AO090001000092;
                                                                                                                                        [1]
NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Aspergillus oryzae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Predicted protein
                                                                                                                            NCBI_TaxID=10047;
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                           MERUN
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                 MERUN
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A REDLINE=2238825; PubMed=12477932; DOI=10.1073/pnas.242603899;

A Krausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Strausberg R.L., Zeberg B., Wagner L., Schaefer C.F., Schuler G.D., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., Datchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Richards S., McKernan K.J., Mallek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Vilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Whiting M., Madan A., Young A.C., Shevichenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., M. Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

"Generation and initial analysis of more than 15,000 full-length human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
Distributed under the Creative Commons Attribution-NoDerivs License
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
Horiuchi H., Kitamoto K., Kobayashi T., Takeuchi M., Denning D.W., Galagan J.E., Nierman W.C., Yu J., Archer D.B., Bennett J.W., Bhatnagar D., Cleveland T.E., Fedorova N.D., Gotoh O., Horikawa H., Hosoyama A., Ichinomiya M., Igarashi R., Iwashita K., Juvvadi P.R., Kato M., Kato Y., Kin T., Kokubun A., Maeda H., Maeyama N., Sawanoto K., Sawanoto K., Sawanoto K., Sawanoto Y., Takahashi M., Takase K., Orada K., Paulsen I., Koman J.R., Yamada O., Yamagata Y., Anazawa H., Hata Y., Koide Y., Kohara S., Ogasawara N., Kikuchi H., Suharnan S., Tanaka A., Isono K., "Genome sequencing and analysis of Aspergillus oryzae.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AP007154; BAE56647.1; -; Genomic_DNA.
DNA-binding; Metal-binding; Nuclear protein; Transcription;
Transcription regulation; Zino.
SEQUENCE 469 AA; 52434 MW; F67DOCBC40814F00 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.4%; Score 55; DB 2; Length 469; 31.0%; Pred. No. 1e+02; ive 6; Mismatches 11; Indels
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Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
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07-FEB-2006, entry version 17.
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Q8IYJ8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nature 438:1157-1161(2005).
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Gaps

2;

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NUCLECTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].

STRAIN=ATCC 36239 / CBS 767;

Pubmed=1529592; DOI=10.1038/nature02579;

Numbed=1529592; DOI=10.1038/nature02579;

Lafoutaine I., de Montigny J., Marck C., Neuveglise C., Talla E., Goffard N., Frangeul L., Aigle M., Anthouard V., Babour A., Barbe V., Barnay S., Blanchin S., Beckerich J.-M., Beyne E., Bleykasten C., Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A., Boisrame A., Roszul R., Lemaire M., Lesur I., Ma L., Muller H., Kerrest A., Koszul R., Lemaire M., Lesur I., Ma L., Muller H., Nerlaud J.-M., Nikolski M., Oztas S., Ozter-Kalogeropoulos O., Nicaud J.-M., Nikolski M., Oztas S., Ozter-Kalogeropoulos O., Swennen D., Tekaia F., Wesolowski-Louvel M., Westhof E., Wirth B., Zunanovic Y., Bolotin-Pukuhara M., Thierry A., Mincker P., Souciet J.-L.;
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   Distributed under the Creative Commons Attribution-NoDerivs License
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GO; GO:0005634; C:nucleus; IEA.
GO; GO:0006872; F:netal ion binding; IEA.
GO; GO:00082700; F:transcription factor activity; IEA.
GO; GO:0008270; F:ranscription of transcription, DNA-dependent; IEA.
GO; GO:0006355; P:regulation of transcription, DNA-dependent; IEA.
GO; GO:0006350; P:transcription; IEA.
InterPro; IPR007219; Fungal trans.
InterPro; IPR001138; Fungal trans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OrderedLocusNames=DEHA0F28721g;
Debaryomyces hansenii (Yeast) (Torulaspora hansenii).
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Debaryomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-AUG-2004, sequence version 1.
07-FEB-2006, entry version 14.
Similar to CA5860|IPF376 Candida albicans IPF376 transcriptional
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27.4%; Score 55; DB 2; Length 686; 38.2%; Pred. No. 1.5e+02; ive 5; Mismatches 14; Indels
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SEQUENCE 686 AA; 76955 MW; AD4FD56D48E826D0 CRC64;
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                                                           EMBL, BC065554; AAH65554.1; -; mRNA.
Ensembl, ENSG0000068724; Homo sapiens.
GO, GO:0005488; Fibinding, IEA.
InterPro; IPR011990; TPR-1ike_helical.
InterPro; IPR0113105; TPR.2.
InterPro; IPR013105; TPR.2.
InterPro; IPR013026; TPR.2.
SHART; SM00028; TPR.1; 6.
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                                                                                                                                                                                                                                                                                                                               SMART; SM00028; TPR; 2.
PROSITE; PS50005; TPR; 7.
PROSITE; PS50293; TPR_REGION; 3.
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Nature 430:35-44(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QEBJV7_DEBHA PRELIMINARY;
QEBJV7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 38.2%
                                                                                                                                                                                                                                                                                                                                                                                                                                        TPR repeat.
NON TER
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OKBIV7 DEBHA
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Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bahar N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Biatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Brownstein M., Soares M.B., Bonaldo M.F., Carannori P.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Tocahiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Glibbs R.A.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
M. Schnerch A., Schahl J.B., Jones S.J.M., Marra M.A.,
T. "Generation and initial analysis of more than 15,000 full-length human
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                        Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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Bukaryota Metazoa (Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
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MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 663;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Strausberg R.; Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
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74252 MW; B1480A15D7A659DB CRC64;
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38.2%; Pred. No. 1.5e+02;
iive 5; Mismatches 14;
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232 CGKSAYAVSLIRECV--KURPSDPTVPLMAAKVC 263
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                                                                                                                EMBL, BC035708; AAH35708.1, -; mRNA.
Ensembl; ENSG0000068724; Homo sapiens.
Go; GO:0005488; F:binding; IEA.
InterPro; IPR011990; TPR-like_helical.
InterPro; IPR013105; TPR.2.
InterPro; IPR013105; TPR.2.
InterPro; IPR01306; TPR.2.
Fam; PF00515; TPR.1; 6.
SMART; SM00028; TPR; 7.
PROSITE; PS50005; TPR; 7.
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Q6POM3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUL-2004, sequence version 1. 07-FEB-2006, entry version 13.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       663 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TPR repeat.
NON TER
SEQUENCE 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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06 POM3 HUM
10 O6 POM
AC O6 POM
AC O6 POM
AC O6 POM
AC O6 POM
O7 - FI
DT O7 - 
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1D 02Z
AC 02Z
DT 24
DT 24
DT 07
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Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Rlausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A ltschul S.F., Zeeberg B., Buetcw K.H., Schaefer C.F., Bhat N.K.,
A ltschul S.F., Jordan H., Moore T., Max S.I., Wang J., Haich F.,
A stapleton M., Soares M.B., Ronaldo M.F., Casavant T.L., Scheetz T.E.,
A Raha S.G., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Robak S.A., McEwan P.J., McKernan K.J., Malek J.R., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muxry D.W., Sodergren E.J., Lu X., Gibbs R.A.,
A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Rohingman A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Radiguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
                                                                                                                                                                                                                                                                                                                                                                                                  Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhin; Hominidae;
                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=20039618; PubMed=10574461; DOI=10.1093/dnares/6.5.329; Hirosawa M., Nagase T., Ishikawa K., Kikuno R., Nomura N., Ohara O.; "Characterization of cDNA clones selected by the Genemark analysis from size-fractionated cDNA libraries from human brain."; DNA Res. 6:329-336(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=22158633; PubMed=12168954; DOI=10.1093/dnares/9.3.99; Nakajima D., Okazaki N., Yamakawa H., Kikuno R., Ohara O., Nagase T., "Construction of expression-resy CDNA clones for KIAA genes: manual curation of 330 KIAA clones.";
                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
          PFam; PF00172; Zn_Clus; 1.
SWART; SM00066; GĀL4; 1.
PROSITE; PS00463; ZN2_CY6_FUNGAL_1; UNKNOWN_1.
PROSITE; PS00408; ZN2_CY6_FUNGAL_2; 1.
COMplete proteome; DNA-binding; Metal-binding; Nuclear protein; Transcription; Transcription regulation; Zinc.
SEQUENCE 724 AA; 82460 MW; 40FEA43BDA43097B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1), AND VARIANT
                                                                                                                                                  .;
                                                                                                                                                                                                                                                           7A HUMAN
TTCTA HUMAN STANDARD; PRT; 858 AA.
TTCTA HUMAN GPIX4; QBBUS3;
Q9ULT0; QPIX4; QBRD67; Q9BUS3;
Q1-JUN-2001, integrated into UniProtKB/Swiss-Prot.
22-AUG-2003, sequence version 3.
Q7-MAR-2006, entry version 42.
Tetratricopeptide repeat protein 7A (TPR repeat protein 7).
Name=TTC7A; Synonyms=KIAA1140, TTC7;
                                                                                                                     Length 724;
                                                                                                      27.4%; Score 55; DB 2; Length 724
42.9%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The German cDNA consortium;
Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 2).
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NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] OF 409-858.
                                                                                                                                                                                                NVCRECKLRCNNNNDGSQCQR 35
                                                                                                                                                                            12 HACIPCOLRCSSNTPPLTCOR 32
 Pfam; PF04082; Fungal_trans; 1
                                                                                                                                    Local Similarity 42.9
nes 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA Res. 9:99-106(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    [3]
SEQUENCE REVISION.
                                                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=9606;
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Distributed under the Creative Commons Attribution-NoDerivs License
Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human and muuse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MAAKGAHGSYLKVESELERCRAEGHWDRMPELVROLOTLSM
PGGGGNRRGSPSAAPTPPDTDDFGKLLLAEALLEGCLKENH
AKIKDSMPLLEKNEPWARBAKNYLSSILMHORLSPQYMCEA
MLILGKLHYVEGSYRDAISMYARAGIDDMSMENKPLYOMRL
LSEAFVIK -> MPSACTHGPGLMTCPWRISPCIRCGCCRR
ILSSKHASGFLGEHSPGGQRSCRG (in isoform 2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tetratricopeptide repeat protein 7A./FIId=PRO_0000106385.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FLOW. SNART, SM00028; TER; C. PROSITE; PS50005; TPR; B. PROSITE; PS50293; TPR_REGION; 3. Alternative splicing; Polymorphism; Repeat; TPR repeat. 1 858 Tetratricopeptide repeat provider.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -> I (in Ref. 2).
9D10411B48478171 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /FTId=VSP 008062.
V -> L (in dbSNP:2304290)
/FTId=VAR 016602.
                                                                                                                     Event=Alternative splicing; Named isoforms=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | :: | | | | | : | | | | : | | | | 427 CGKSAYAVSLLRECV--KLRPSDPTVPLMAAKVC 458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27.4%; Score 55; DB 1;
38.2%; Pred. No. 1.9e+02
tive 5; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-JAN-2006, integrated into UniProtKB/TrEMBL.
24-JAN-2006, sequence version 1.
07-MAR-2006, entry version 3.
Hypothetical protein.
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 CSONEYFDSLLHACIPCOLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                    EMBL; AL834383; CAD39046.2; -; mENA.
EMBL; AB032966; BAA86454.2; ALT_INIT; mENA.
EMBL; BC021978; AAH01978.1; -; mENA.
EMBL; BC027457; AAH27457.1; -; mENA.
Ensembl; ENSG0000068724; Homo sapiens.
                                                                                                                                                                                                                  isoId=Q9ULT0-2; Sequence=VSP_008062;
                                                                                                                                                                  IsoId=Q9ULT0-1; Sequence=Displayed;

    -!- SIMILARITY: Contains 9 TPR repeats.

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Interpro; IPR011990; TPR-like_helical.
InterPro; IPR001140; TPR_1.
InterPro; IPR013105; TPR_2.
InterPro; IPR013026; TPR_region.
Pfam; PF00312; TPR_1; 6.
Pfam; PF003119; TPR_2; 1.
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96185 MW;
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Q2T9J9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13; Conservative
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858 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MIM; 609332; gene.
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177
177
414
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532
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745
779
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Query Match
Best Local Similarity
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Q964D1_ENTHI
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Q6QI57_RAT
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                                                                                       MEDLINE=2238825; PubMed=12477932; DOI=10.1073/pnas.242603899;
MAISTORE TO., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A Klausher R.L., Feingold E.A., Grouse L.H., Derge J.G.,
A Klausher R.D., Collins F.S., Wagner L., Sheamen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Blapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Robards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Kilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Milting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
A "Generation and initial analysis of more than 15,000 full-length human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
Distributed under the Creative Commons Attribution-NoDerivs License
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Namatoda, Chromadorea, Rhabditida, Rhabditoidea,
Rhabditidae, Peloderinae, Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAIN=Bristol N2;
MEDLINE=99069613; PubMed=9851916; DOI=10.1126/science.282.5396.2012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .;
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"Genome sequence of the nematode C. elegans: a platform for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 882;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                P91419:abu-11; NbExp=1; IntAct=EBI-313961, EBI-313979;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (DEC-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL, BC111487, AAI11488.1; -; mRNA.
Hypothetical protein; Repeat; TPR repeat.
SEQUENCE 882 AA; 98939 MW; 4FB2B35E2A15E5FC CRC64;
                                                                                                                                                                                                                                                                                                                                                                               Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           427 CGKSAYAVSLIRECV--KLRPSDPTVPLMAAKVC 458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27.4%; Score 55; DB 2; 38.2%; Pred. No. 2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CSQNEYFDSLLHACIPCOLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-JAN-1998, integrated into UniProtKB/TrEMBL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    923 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-SEP-2004, sequence version 2.
O-FEB-2006, entry version 33.
Hyporhetical protein.
ORFNames=M02G9.1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       investigating biology.";
Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 38.2;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                  mouse cDNA sequences.
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                                                                      SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                              Proc. Natl. Acad.
                                          NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                     NIH MGC Project;
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O17970;
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                                                                           Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Xu C.S., Zhang L., Chang C.F., Han H.P., Wang G.P., Chai L.Q.,
Yuan J.Y., Yang K.J., Zhao L.F., Ma H., Wang L., Wang S.F., Xing X.K.,
Shen G.M., Shi J.B., Rahman S., Wang Q.N., Zhang J.B.;
Submitted (FEB-2004) to the EMBL/GenBank/DbBJ databases.
-!- SIMILARITY: Contains 1 reverse transcriptase domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Buarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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GO; GO:0003723; F:RNA binding; IEA.
GO; GO:0003964; F:RNA-directed DNA polymerase activity; IEA.
GO; GO:0006278; P:RNA-dependent DNA replication; IEA.
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O16500:pgn-5; NDExp=1; IntAct=EBI-313961, EBI-313836; O44606:pgn-54; NDExp=1; IntAct=EBI-313961, EBI-325936;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.4%; Score 55; DB 2; Length 923;
44.8%; Pred. No. 2.1e+02;
ive 3; Mismatches 11; Indels
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PROSTE; PS00213; LIPPCALIN; UNKNOWN_1.
PROSTE; PS50878; RT POL; 1.
SEQUENCE 1073 AA; 124174 MW; 910B4A60F90587EF CRC64;
                                                                                                                                                                                                                                                                           WormBase, WBGene00010830; M02G9.1.
WormPep; M02G9.1; CE36944.
GO; GO: 0005515; F:protein binding; IPI.
InterPro; IPR003341; DUF139_Cys_rich.
Pfam; PF02363; C_tripleX; 26.
Complete proteome; Hypothetical protein.
SEQUENCE 923 AA; 97516 MW; DB8S0F5C26C6EA05 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OGIST, RAT PRELIMINARY; PRT; 1073 AA. 060157; 05-JUL-2004, integrated into UniProtKB/TrEMBL. 05-JUL-2004, sequence version 1. 07-FEB-2006, entry version 11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      141 DSCQNVCQNVCQGACVSQNSPPAVCQQTC 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8 DSLLHAC-IPCQLRC-SSNTPPLTCQRYC 34
                                                                                                                                                                  EMBL; Z81573; CAB04625.2; -; Genomic_DNA.
PIR; T23681; T23681.
                                                                                                                                                                                                                        IntAct; 017970; -.
Ensembl; M02G9.1; Caenorhabditis elegans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             InterPro, IPR002345; Lipocalin.
InterPro, IPR000477; RVTse.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 44.8'
Matches 13, Conservative
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NUCLEOTIDE SEQUENCE.
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Distributed under the Creative Commons Attribution-Noberivs License
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PubMed=15729342; DOI=10.1038/nature03291;
Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,
Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,
Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.,
Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
Buthofer M., Bruchhaus I., Willhoeft U., Bhattacharya A.,
Chillingworth T., Churcher C.M., Hance Z., Harris B., Harris D.,
Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,
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Lockhart L.A., Ghosh S., Miller-Sims V., Mann B.J., Petri W.A. Jr.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Intermediate subunit of the Gal/GalNAc lectin of Entamoeba histolytica is a member of a gene family containing multiple CXXC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL, AF337911, AAK92362.1; -; mRNA.
GO, GO:0005198, F:structural molecule activity; IEA.
GO, GO:0005529; F:sugar binding; IEA.
InterPro; IPR006210, EGF laminin.
InterPro; IPR002049; EGF laminin.
InterPro; IPR013032; EGF like_reg.
InterPro; IPR013032; EGF like_reg.
FinerPro; IPR013032; EGF like_reg.
FinerPro; IPR006212; Furin_repeat.
Fam: Pr000181, EGF; 2.
SWART; SM00261; FU; 1.
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40.9%; Pred. No. 2.4e+02;
tive 2; Mismatches 11;
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                                                                01-DEC-2001, integrated into UniProtKB/TrEMBL
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QSORX4;
   PRT; 1074 AA.
                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=21391855; PubMed=11500468;
DOI=10.1128/IAI.69.9.5892-5898.2001;
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                                                                                                                                                                                                                                        Eukaryota; Entamoebidae; Entamoeba
                                                                                             01-DEC-2001, sequence version 1.
07-FEB-2006, entry version 18.
Gal/GalNAc lectin Igl2 (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sequence motifs.";
Infect. Immun. 69:5892-5898(2001).
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21-FBB-2006, entry version 7.
Protein kinase, putative.
ORFNames=275.L00011;
Entamoeba histolytica HM-1:IMSS.
      PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PROSITE; PS01186; EGF_2; 1.
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nes 9; Conservative
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Entamoeba histolytica.
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NUCLEOTIDE SEQUENCE.
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NUCLEOTIDE SEQUENCE.
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      Q964D1_ENTHI
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050RX4 ENT
070RX AC
050RX
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DT 21-FE
DB Prote
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DB Prote
CS BLUAX
OC BURIX
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Distributed under the Creative Commons Attribution-NoDerivs License
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PubMed=15723942; DOI=10.1038/nature03291;
Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,
Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,
Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.,
Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
Hofer M., Bruchhaus I., Willhoeft U., Bhattacharya A.,
Chillingworth T., Churcher C.M., Hance Z., Harris B., Harris D.,
Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,
Whitehead S., Quail M.A., Rabbinowitsch E., Norbertczak H., Price C.,
Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
Lohla A., Poster P.G., Sicheritz-Ponten T., Weber C., Singh U.,
Mukherjee C., El-Sayed N.M., Petri W.A., Clark C.G., Embley T.M.,
Barrell B.G., Fraser C.M., Hall N.;
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL, AAPBOLO00767; EALA4349.1. 'Genomic_DNA.

GO; GO:0005524; F:ATP binding; IEA.

GO; GO:0004674; F:Protein serine/theonine kinase activity; IEA.

GO; GO:0004713; F:protein-tyrosine kinase activity; IEA.

GO; GO:000468; P:protein amino acid phosphorylation; IEA.

InterPro; IPR006212; Furin repeat.

R InterPro; IPR00129; Port kinase.

InterPro; IPR00129; Ser_thr_pkinase.

R InterPro; IPR00129; Ser_thr_pkinase.

R InterPro; IPR00129; Tyrk Inhase.

R InterPro; IPR00129; Tyrk Inhase.

R PROSTIE; PS00101; PROTEIN KINASE ATP; 1.

R PROSTIE; PS00101; PROTEIN KINASE ST; 1.

R PROSTIE; PS00108; PROTEIN KINASE ST; 1.
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"The genome of the protist parasite Entamoeba histolytica.";
Nature 433:865-868(2005).
-- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DBBJ whole genome shotgun (WGS) entry which is preliminary data.

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GO; GO:0005529; F:sugar binding; IEA.
InterPro; IPR066210; EGF.
InterPro; IPR066212; Furin_repeat.
SMART; SM00181; EGF; 1.
SMART; SM00261; Furin_repeat.
INTERPROSECTION INTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match

27.4%; Score 55; DB 2; Length 1101;
Best Local Similarity 40.9%; Pred. No. 2.5e+02;
Matches 9; Conservative 2; Mismatches 11; Indels
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SEQUENCE 1101 AA; 119513 MW; CBB6F5CBDE656AEC CRC64;
           KW WW DR DR B DR SO
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Search completed: July 10, 2006, 16:44:25 Job time: 83.8 secs

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10623, A 10622, A 40143, A 31482, A 43388, A 86, Appl 94, Appl 49738, A

Sequence Seq

117, App 137, App 51084, A 3454, Ap 2182, Ap 24478, A 24477, A 24477, A

436, App 864, App 3, Appli 40222, A

Sequence Sequence

Sequence Sequence Sequence Sequence

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US-10-656-928-94
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US-10-953-349-25813
US-10-949-902-35813
US-10-953-349-10969
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US-11-174-307B-2242
US-11-174-307B-56
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US-110-953-349-26728
US-10-953-349-26728
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US-10-953-349-34202
US-11-293-697-3039
US-11-319-952-23
US-11-174-307B-4590
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US-11-291-698A-115
US-11-272-521-196
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US-10-505-928-150
US-11-368-086-52
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US-11-178-724-15
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1450
1600
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     Sequence 197, App
Sequence 6, Appli
Sequence 2, Appli
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2, Appl
2, Appl
1815, Appl
1816, A
1906, A
1906, A
1906, A
1006, A
10
                                                                                                              July 10, 2006, 16:42:25 ; Search time 5.2 Seconds (without alignments) 175.440 Million cell updates/sec
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EMC Celerra_SIDS3/ptodata/2/pubpaa/US09_NEW_PUB.pep:*

FMC Celerra_SIDS3/ptodata/2/pubpaa/US06_NEW_PUB.pep:*

FMC Celerra_SIDS3/ptodata/2/pubpaa/US08_NEW_PUB.pep:*

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8.4 17 7 US-11-291-098A-81 8.4 17 7 US-11-291-698A-94 8.4 17 7 US-11-291-698A-94 8.4 17 7 US-11-291-698A-118 8.4 17 7 US-11-291-698A-122	7 18.4 58 6 US-10-449-902-29333 7 18.4 60 6 US-10-449-902-39756	7 18.4 63 7 US-11-178-724-6 7 18.4 63 7 US-11-178-724-5	7 18.4 72 6 US-10-449-902-29055 Sequenc 7 18.4 73 6 US-10-449-902-38362 Sequenc	7 18.4 75 6 US-10-449-902-36100 Sequenc 7 18.4 75 6 US-10-449-902-48790 Sequenc	7 18.4 78 6 US-10-449-902-49555 Sequenc 7 18.4 96 6 US-10-449-902-49559 Semienc	7 18.4 10 6 US-10-449-90Z-41919 Sequence Control of US-10 449-90Z-45795 Sequence Control of US-10 449-90Z-45795 Sequence Control of US-10 449-90Z-45795	7 18.4 121 7 US-10-449-902-50510 Sequence	7 18.4 132 6 US-10.449-902-49292 Sequence 7 18.4 140 7 US-11.284-236-228 Sequence	7 18.4 142 6 US-10-953-349-14978 Sequence 7 18.4 159 6 US-10-953-349-14977 Sequence	7 18.4 163 6 US-10-449-902-40021 Sequence 7 18.4 169 6 US-10-953-349-2062 Sequence	7 18.4 176 7 US-11-293-697-3352 Sequence 7 18.4 177 6 US-10-449-902-29046 Sequence	7 18.4 178 6 US-10-953-349-5048 Sequence 7 18.4 186 6 US-10-953-349-14738 Sequence	7 18.4 188 6 US-10-449-902-49951 Sequence 7 18.4 189 6 US-10-953-349-5047 Sequence	7 18.4 189 6 US-10-953-349-14976 Sequence 7 18.4 192 1 US-09-728-720A-35 Sequence	7 18.4 196 6 US-10-953-349-19942 Sequence 7 18.4 197 6 US-10-566-644-18 Sequence	7 18.4 197 7 US-11-251-208-423 Sequence 7 18.4 209 6 US-10-953-349-5046 Sequence	7 18.4 234 6 US-10-953-349-32603 Sequence	7 18.4 240 6 US-10-553-349-2061 Sequence	7 18.4 244 6 US-10-953-317-1271 Sequence 7 18.4 244 7 US-11-174-3178-5154 Sequence	7 18.4 245 6 US-10-953-349-30232 Sequence 7 18.4 245 6 US-10-953-349-32602 Semience	7 18.4 245 6 US-10-449-902-45933 Sequence 7 18.4 246 6 US-10-953-349-32163 Sequence	7 18.4 250 6 US-10-953-349-15719 Sequence 7 18.4 254 6 US-10-953-349-17306 Sequence	7 18.4 259 6 US-10-953-349-1163 Sequence 7 18.4 267 6 US-10-953-349-7087 Semience	18.4 267 6 US-10-449-902-39299 Sequence	7 18.4 303 6 US-10-953-349-22046 Sequence	7 18.4 304 6 US-10-953-349-17893 Sequence 7 18.4 304 6 US-10-449-902-52031 Sequence	7 18.4 305 6 US-10-953-349-6294 Sequence 7 18.4 307 6 US-10-449-902-48957 Sequence	7 18.4 310 6 US-10-953-349-8418 Sequence	7 18.4 316 7 US-11-293-697-4970 Sequence 7 10.4 316 7 US-11-293-697-4470 Sequence	18.4 317 6 US-10-953-349-17089 Sequence	7 18.4 318 6 US-10-953-349-31671 Sequence 7 18.4 318 6 US-10-449-902-55752 Sequence	7 18.4 319 7 US-11-140-450-64 Sequence 7 18.4 326 6 US-10-953-349-8417 Sequence	7 18.4 329 6 US-10-953-349-8416 Sequence	7 18.4 330 6 US-10-953-349-7085 Sequence 7 18.4 331 6 US-10-953-349-29280 Sequence

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Publication No. US20060101529A1

JEGUREAL INFORMATION:

APPLICANT: Brain, Richard J.

APPLICANT: Brain, Richard J.

APPLICANT: Brain, Richard J.

APPLICANT: Won Bulow, Gotz

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

FILE REFERENCE: 44158/254633

CURRENT FILING DATE: 2002-11-12

FRIOR APPLICATION NUMBER: US 09/782,857

FRIOR APPLICATION NUMBER: US 09/290,333

FRIOR APPLICATION NUMBER: US 09/290,333

FRIOR APPLICATION NUMBER: US 08/810,572

FRIOR APPLICATION NUMBER: US 08/810,572

FRIOR PILING DATE: 1999-04-12

FRIOR FILING DATE: 1999-04-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    33.1%; Score 66.5; DB 7; Length 166; 32.4%; Pred. No. 0.09; tive 8; Mismatches 14; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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FILE REFERENCE: 44158/254623
CURRENT APPLICATION NUMBER: US/11/318,156
CURRENT PILING DATE: 2005-12-23
FRICR APPLICATION NUMBER: US/10/293,816
FRICR APPLICATION NUMBER: US 09/782,857
FRICR FILING DATE: 2001-02-14
FRICR FILING DATE: 1999-04-12
FRICR FILING DATE: 1999-04-12
FRICR FILING DATE: 1999-04-12
FRICR FILING DATE: 1997-03-03
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FASESEQ for Windows Version 4.0
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TITLE OF INVENTION: Novel full length cDNA
FILE REFERENCE: H1-A0106
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; Publication No. US20060105376A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 32.4
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
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US-11-293-697-2874
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LENGTH: 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 166
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-11-318-156-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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                                        Sequence 60, Appl
Sequence 3331, A
Sequence 1, Appli
Sequence 16, Appl
Sequence 41364, A
Sequence 46895, A
                                                                                                                                                                                                                               Sequence 58, Appl
Sequence 1730, App
Sequence 716, App
Sequence 9, Appl
Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli
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Sequence 197, Application US/11272521

Sequence 197, Application US/11272521

GENERAL INFORMATION:

APPLICANT: MIN, HOSUNG

APPLICANT: HSU, HAILING

TITLE OF INVENTION: PETTIDES AND RELATED MOLECULES THAT BIND TO TALL-1

FILE REFERENCE: A-743

CURRENT APPLICATION NUMBER: US/11/272,521

CURRENT FILING DATE: 2005-11-10

PRIOR FILING DATE: 2005-11-10

PRIOR FILING DATE: 2001-05-11

NUMBER OF SEQ ID NOS: 197

SOFTWARE: PatentIn version 3.1

SEQ ID NO 197

LANDEL DEATH A2

LANDEL DATE

LANDEL DATE

LANDEL DATE

SEQ ID NO 197

LANDEL DEATH

LANDEL DATE

LANDEL DAT
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Sequence 6, Application US/11318156

Publication No. US20060101529A1

GENERAL INFORMATION:
APPLICANT: Bram, Richard J.
APPLICANT: Von Bulow, Gotz

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

TITLE OF INVENTION: CAML AND METHODS OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 42;
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                                                                                                                         US-11-248-956-16

US-10-449-902-41364

US-10-449-902-46895

US-110-533-841-58

US-11-174-3078-818

US-11-174-3078-1730

US-10-518-929-91

US-10-518-929-91

US-10-518-929-91

US-10-449-902-44613

US-10-449-902-44613

US-10-449-902-441144

US-11-174-3078-1834

US-11-174-3078-1704

US-11-174-3078-1704

US-11-174-3078-1304
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-520-783-22
US-11-174-307B-2020
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US-11-272-521-197
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US-11-272-521-197
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Best Local Simi
Matches 21; (
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Gaps

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Gaps

Gaps

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Sequence 41231, Application US/10449902

| Sequence 41231, Application US/10449902
| Publication No. US20060123505A1
| GENERAL INFORMATION:
| APPLICANT: National Institute of Agrobiological Sciences.
| APPLICANT: Bio-oriented Technology Research Advancement Institute of Physical and Chemical Research.
| APPLICANT: The Institute of Physical and Chemical Research.
| APPLICANT: Foundation for Advancement of International Science.
| TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
| FILE REFERENCE: MOA-A0205Y1-US
| CURRENT APPLICATION NUMBER: US/10/449,902
| CURRENT APPLICATION NUMBER: UP 2002-203269
| PRIOR FILING DATE: 2003-05-29
| PRIOR FILING DATE: 2002-05-303870
| PRIOR FILING DATE: 2002-12-11
| NUMBER OF SEQ ID NOS: 56791
| SEQ ID NO 41231
| LENGTH: 1182
                                                                                                                                                                      Query Match

29.4%; Score 59; DB 6; Length 247;
Best Local Similarity 34.4%; Pred. No. 1.2;
Matches 11; Conservative 5; Mismatches 14; Indels
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APPLICANT: Gordon, Nathaniel C.
APPLICANT: Kelley, Robert F.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 6;
                                                                                                                                                                                                                                                                                                                   29 QGKFYDHLLRDCISCASICGQH--PKQCAYFC 58
                                                                                                                                                                                                                                                                                3 ONEYFDSLLHACIPCOLRCSSNTPPLTCQRYC 34
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Pred. No. 6;
2; Mismatches
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CURRENT APPLICATION NUMBER: US/11/291,698A
CURRENT PILING DATE: 2005-11-30
PRIOR APPLICATION NUMBER: US/04/17682
PRIOR FILING DATE: 2004-06-04
PRIOR FILING DATE: 2004-06-05
PRIOR FILING DATE: 2003-06-05
PRIOR PILING DATE: 2003-06-05
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-05
NUMBER OF SEQ ID NOS: 216
  SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 2 LENGTH: 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11 LHAC-IPCQ--LRCSSNTPPLTCQR 32
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; Sequence 38, Application US/11291698A
; Publication No. US20060135430A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29.1%;
52.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13; Conservative
                                                                          TYPE: PRT
CRGANISM: Homo sapiens
US-10-496-758-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Oryza sativa
US-10-449-902-41231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-449-902-41231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM:
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TITLE OF INVENTION: TREATMENT OF METABOLIC DISORDERS WITH RYZN AGONISTS AND ANTACONIS
FILE REFERENCE: 133. WOJ
CURRENT APPLICATION NUMBER: US/10/496,758
CURRENT FILING DATE: 2004-05-26
PRIOR PELLING DATE: 2001-11-28
NUMBER OF SEQ ID NOS: 2
                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                               39 CDNNQYFDISALSCVPCGANQRQDARGTSCVCLPGFQMISNNGGPAIICKK 89
                                                                                                                                                                                                                                                                                                                                                                                                             1 CSQNEYFDSLLHACIPC------QLRCSSNTPPLTCQR 32
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                                                                                                                                                                                                                                                                                                           DB 7; Length 985;
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Pred. No. 0.86;
6; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Cordon, Andrew Chee-Yuen
APPLICANT: Gordon, Nathaniel C.
APPLICANT: Gordon, Nathaniel C.
APPLICANT: Kelley, Robert F.
APPLICANT: Kelley, Robert F.
APPLICANT: Starovasnik, Melissa A.
ITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
FILE REFERENCE: 11669-11740SC1
CURRENT PELLONG DATE: 2005-11-30
PRIOR APPLICATION NUMBER: US/US04/17682
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,481
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                                                                                                                                                                                                                                                                                                                                   3.8;
                                                                                                                                                                                                                                                                                                                                                          9; Mismatches
                                                                                                                                                                                                                                                                                                           Score 59.5;
Pred. No. 3.
CURRENT APPLICATION NUMBER: US/11/293,697
CURRENT FILING DATE: 2005-12-05
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: Parentin Ver. 2.1
SEQ ID NO 2874
LENGTH: 985
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 55, Application US/11291698A; Publication No. US20060135430A1
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                                                                                                                                                                                                                                                                                                           29.6%;
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Best Local Similarity 37.1%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 21.6
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 216
                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
US-11-293-697-2874
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US-11-291-698A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 55
LENGTH: 175
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Gaps

3

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Sequence 18159, Application US/10953349
Publication No. US2060107345A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 275-15799022
CURRENT APPLICATION UNDMER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 18159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3284, Application US/11174307B
; Bublication No. US20060143729A1
; Bublication No. US20060143729A1
; GENERAL INFORMATION:
    APPLICANT: ALEXANDROV, Nickolai
; APPLICANT: BROVER, Vyacheslav
; TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
; TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
; FILE REFERENCE: 2750-1601PUS2
; CURRENT APPLICATION NUMBER: US/11/174,307B
; FILE REPERENCE: 2004-06-30
; PRIOR APPLICATION NUMBER: 60/583,671
; PRIOR PEDLICATION NUMBER: 60/583,781
; PRIOR FILING DATE: 2004-06-30
; PRIOR FILING DATE: 2004-06-30
; PRIOR FILING DATE: 2004-06-30
; RIOR APPLICATION NUMBER: 60/583,781
; PRIOR FILING DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 5544
; SEQ ID NO 3284
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Pred. No. 18;
                                                                                                                                                                                                                                                                                                                                                                                                 DB 6; Length 115;
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Sequence 2712, Application US/11293697

Publication No. US20060105376A1

GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: Novel full length CDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/11/293,697
CURRENT FILING DATE: 2005-12-05
PRIOR PILING DATE: 2005-03-28
                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. 4.5;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       217 CITEEQLGCLLHNCFVLQWMRLSQCSPLTC 246
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                                                                                                                                                                                                                                                                                                                                                                                                 Score 52;
Pred. No. 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17 COLRCSSNTPPLTCORYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              60 CRVRCSLHSRPKICSRAC 77
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40.0%;
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Best Local Similarity 44.4%;
Matches 8; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 25.9°
Best Local Similarity 40.0°
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Glycine max US-10-953-349-18159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-11-174-307B-3284
      US-10-953-349-18159
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Publication No. US20060107345A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ALEXANDROW, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION WNDER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: PatentIn version 3.3
SEQ ID NO 18161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: ALEXANDROW, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: ENCONDED THERBY
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
SOFTWARE: Patentin version 3.3
SEQ ID NO 18160
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Pred. No. 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                  4; Mismatches
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US-10-953-349-18160
S. Sequence 18160, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                      22 CNÓTECFDPLVRNCVSCEL 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 COLRCSSNTPPLTCORYC 34
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ilarity 47.4%;
Conservative 4
SOFTWARE: PatentIn version 3.3
SEQ ID NO 38
LENGTH: 175
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                                                                                      ; ORGANISM: Mus musculus
US-11-291-698A-38
                                                                                                                                   Query Match
Best Local Similarity
-haq 9; Conserva
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US-10-953-349-18160
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Best Local Similarity
Matches 8; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 8; Conserv
                                                                   TYPE: PRT
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APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: BROCONDED THERBY
FILE REPERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: PATCHLIN version 3.3
SEQ ID NO 10968
LENGTH: 645
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APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: The Institute of Physical and Chemical Research.
TITLE OF INVENTY Advancement of International Science.
TITLE OF INVENTY APPLICATION FOR STATE PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT FILING DATE: 2003-05-29
PRIOR PLICATION NUMBER: UP 2002-203269
PRIOR PLICATION NUMBER: UP 2002-383870
PRIOR APPLICATION NUMBER: UP 2002-383870
PRIOR PLING DATE: 2002-05-30
PRIOR PLING DATE: 2002-02-31
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
LENGTH: 645
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25.4%; Score 51; DB 6; Length 645; 45.8%; Pred. No. 31;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 6; Length 645;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: National Institute of Agrobiological Sciences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25.4%; Score 51; DB 40.0%; Pred. No. 31; tive 5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Mismatches
                                                             274 YELLPNGSLEDRLNCVDNTPPLTWQ 298
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                           7 FDSLLHACIPCQLRCSSNTPPLTCQ 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 52038, Application US/10449902
Publication No. US20060123505A1
GENERAL INFORMATION:
                                                                                                                                                                                                       ; Sequence 10968, Application US/10953349; Publication No. US20060107345A1; GENERAL INFORMATION:
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ORGANISM: Arabidopsis thaliana
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Best Local Similarity 40.0
Matches 10; Conservative
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ORGANISM: Oryza sativa
US-10-449-902-52038
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Matches 11; Conserv
                                                                                                                                                        RESULT 16
US-10-953-349-10968
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US-10-953-349-10967
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Publication No. US20060107345A1

GENERAL INFORMATION:

APPLICANT: ALEXANDROW, Nickolai et al.

TITLE OF INVENTION: ENCONDED THERBY

FILE REFERENCE: 2750-15799US2

CURRENT APPLICATION WHEBER: US/10/953,349

CURRENT FILING DATE: 2004-09-30

NUMBER OF SEQ ID NOS: 40252
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APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
ITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THERBOF
FILE REPERBURG: MOA-AGOSOSY-US
CURRENT APPLICATION NUMBER: US/10/449,902
PRIOR APPLICATION NUMBER: US/10/449,902
PRIOR FILING DATE: 2002-05-29
PRIOR FILING DATE: 2002-05-39
PRIOR FILING DATE: 2002-05-30
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: UP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
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                                                                                                                                                                                                               Length 298;
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                                                                                                                                                                                                                                                                 Indels
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                                                                                                                                                                                                               DB 7;
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                                                                                                                                                                                                                                                                                                                   7 FDSLLHACIPCQ --- LRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                  61 FDYVLPPILQCQSGHLVCSNCRPKLTCCPTC 91
                                                                                                                                                                                                          Query Match 25.6%; Score 51.5; D
Best Local Similarity 41.9%; Pred. No. 13;
Matches 13; Conservative 3; Mismatches
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25.4%;
Best Local Similarity 40.0%;
Matches 10; Conservative
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NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2712
LENGTH: 298
                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
US-11-293-697-2712
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US-10-449-902-35358
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CORGANISM: Glycine max
US-10-953-349-12782
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LENGTH: 576
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Sequence 22, Application US/11024544A
Publication No. US20060094086A1
GENERAL INFORMATION:
APPLICANT: E.I. duPont de Nemours and Company, Inc.
APPLICANT: Yadav, Narendra
APPLICANT: Xue, Zhixiong
APPLICANT: Xue, Zhixiong
TITLE OF INVENTION: PATTY ACIDS AND OIL CONTENT IN OLEAGINOUS ORGANISMS
TITLE OF INVENTION: PATTY ACIDS AND OIL CONTENT IN OLEAGINOUS ORGANISMS
CURRENT PELLING DATE: 2004-12-29
CURRENT FILING DATE: 2004-12-29
CURRENT FILING DATE: 2004-12-29
CORRENT FILING DATE: 2004-12-29
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Sequence 136, Application US/11190750

Publication No. US20060094088A1

GENERAL INFORMATION:
APPLICANT: E.I. duPont de Nemours and Company, Inc.
APPLICANT: Picateggio, Stephen K.
APPLICANT: Picateggio, Stephen K.
APPLICANT: Applicant and Company, Inc.
TITLE OF INVENTION: ACYLTRANSFERASE REGULATION TO INCREASE THE PERCENT OF
TITLE OF INVENTION: ACYLTRANSFERASE REGULATION TO INCREASE THE PERCENT OF
TITLE OF INVENTION: OLEAGINOUS ORGANISMS
TITLE OF INVENTION: OLEAGINOUS ORGANISMS
FILE REFERENCE: CL2718
FILE REFERENCE: CL2718
CURRENT APPLICATION NUMBER: US/11/190,750

CURRENT APPLICATION NUMBER: US/11/190,750

NUMBER OF SEQ ID NOS: 159

SOFTWARE: PatentIn version 3.3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Aspergillus nidulans FGSC A4
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank Accession No. EAA57945
DATABASE ENTRY DATE: 2004-09-09
RELEVANT RESIDUES: (1)..(458)
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Pred. No. 30;
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; Sequence 88, Application US/11264784
; Publication No. US20060094092A1
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Local Similarity 45.0%;
les 9; Conservative 4
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Matches 9; Conserv
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TYPE: PRT
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APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40.252
SOFTWARE: Patentin version 3.3
SEQ ID NO 10967
LENGTH: 660
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APPLICANT: YUE, Henry; RICHARDSON, Thomas W.;
APPLICANT: MARQUIS, Joseph P.; GORYAD, Ann E.;
APPLICANT: BECHA, Shanya D.; KABLE, Ann E.;
APPLICANT: SWARNAKAR, Anita; JIN, Pei;
APPLICANT: HAWKINS, Phillip R.; CHIEN, David;
APPLICANT: TRAN, USON K.; HAPALIA, April J.A.;
APPLICANT: TRAN, USON K.; HAPALIA, April J.A.;
APPLICANT: BAUGHN, Mariah R.; LEE, Soo Yeun;
APPLICANT: KHARE, Reas, BULLOCH, Sean A.
IITLE OF INVENTION: RECEPTORS AND MEMBRANE-ASSOCIATED PROTEINS
FILE REPERENCE: PP. 1381 PCT.
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Pred. No. 31;
2; Mismatches 3; Indels
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CURRENT FILING DATE: 2004-08-18
PRIOR APPLICATION NUMBER: US 60/358,279
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-13
PRIOR PLING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: US 60/375,657
PRIOR APPLICATION NUMBER: US 60/376,669
PRIOR PILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: US 60/376,669
PRIOR FILING DATE: 2002-04-29
PRIOR FILING DATE: 2002-04-29
PRIOR FILING DATE: 2002-05-10
PRIOR FILING DATE: 2002-05-10
PRIOR FILING DATE: 2002-05-10
PRIOR FILING DATE: 2002-05-10
NUMBER OF SEQ ID NOS: 76
SOFTWARE: PERL PROGRAM
SCOFTWARE: PERL PROGRAM
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NAME/KEX: misc feature
OTHER INFORMATION: Incyte ID No: 7509361CD1
US-10-504-973-6
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Publication No. US20060121459A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                          , ORGANISM: Arabidopsis thaliana
US-10-953-349-10967
                                                                                                                                                                                                                                                                                                                                                                                         ch 25.4%;
1 Similarity 45.8%;
11; Conservative
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Best Local Similarity 35.3
Matches 12; Conservative
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Best Local Similarity
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APPLICANT: Zhu, Quinn
TITLE OF INVENTION: HIGH BICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA
FILE REFERENCE: CL2698 USNA
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ORGANISM: Aspergillus nidulans FGSC A4 [GenBank Accession No. EAA57945]
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Pred. No. 30;
4; Mismatches 7; Indela
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APPLICANT: Gordon, Nathaniel C.
APPLICANT: Kelley, Robert F.
APPLICANT: Keohler, Michael F.T.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
FILE REFERENCE: 11669.174USC1
                                                                                                                                                                                     APPLICANT: E.I. duPont de Nemours and Co., Inc. APPLICANT: Damude, Howard Glann APPLICANT: Gillies, Peter John APPLICANT: Maccol, Daniel Joseph
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PRIOR FILING DATE: 2004-06-04
PRIOR FILING DATE: 2004-06-05
PRIOR PELICATION NUMBER: US 60/476,414
PRIOR PILING DATE: 2003-06-05
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-05
SOFTWARE: PLANCE DATE: 2003-06-05
SOFTWARE: PLANCE DATE: 2003-06-05
SOFTWARE: PARENTIN VERSION 3.3
ENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/11/291,698A CURRENT FILING DATE: 2005-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/11/265,761
CURRENT FILING DATE: 2005-11-02
PRIOR APPLICATION NUMBER: US 60/624812
PRIOR FILING DATE: 2004-11-04
NUMBER OF SEQ ID NOS: 414
SOFTWARE: Patentin version 3.3
SEQ ID NO 101
LENGTH: 458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 132, Application US/11291698A Publication No. US20060135430A1 GENERAL INFORMATION:
                                                                                          US-11-265-761-101
; Sequence 101, Application US/11265761
; Publication No. US20060115881A1
                                                                                                                                                                                                                                                                                       Picataggio, Stephen K.
Pollak, Dana M. Walters
74 QDVVIGAILFALVPCQLLCS 93
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Ragghianti, James Johr
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Yadav, Narendra S.
Zhang, Hongxiang
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45.0%;
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Best Local Similarity 45.01
Matches 9; Conservative
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OTHER INFORMATION: DGAT1
US-11-265-761-101
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APPLICANT: Gillies, Peter J Gebh
APPLICANT: Macool, Daniel Joseph
APPLICANT: Macool, Daniel Joseph
APPLICANT: Ragghianti, James John
APPLICANT: Ragghianti, James John
APPLICANT: Ragghianti, James John
APPLICANT: Xei, Zhixiong
APPLICANT: Zhaq, Hongxiang
APPLICANT: Zhaq, Hongxiang
APPLICANT: Zhang, Hongxiang
APPLICANT: Chang, Lounn Qun
TITLE OP INVENTION: DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
FILE REFERENCE: CL3160 US NA
CURRENT FILING DATE: 2005-11-01
NUMBER OF SEQ ID NOS: 467
SOFTWARE: Patentin version 3.3
SEQ ID NO 129
LENGTH: 458
TYPE: nor-
                                                                                                            APPLICANT: Picataggio, Stephen K.
APPLICANT: Picataggio, Stephen K.
APPLICANT: Pollak, Dana M. Walters
APPLICANT: Ragghianti, James John
APPLICANT: Ragghianti, James John
APPLICANT: Zhang, Marendra S.
APPLICANT: Zhang, Hongxiang
APPLICANT: Zhang, Hongxiang
APPLICANT: Zhu, Quinn
TITLE OF INVENTION: HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
FILE REFERENCE: CL3136 USNA
CURRENT APPLICATION DATE: 2005-11-01
CURRENT FILING DATE: 2005-11-01
CURRENT FILING DATE: 2005-11-01
SOFTWARE: Patentin version 3.3
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TYPE: PRT
ORGANISM: Aspergillus nidulans FGSC A4 [GenBank Accession No. EAA57945]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Aspergillus nidulans FGSC A4 [GenBank Accession No. EAA57945]
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          duPont de Nemours & Co., Inc.
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Pred. No. 30;
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                                                                    Gillies, Peter John
Macool, Daniel Joseph
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Best Local Similarity 45.0%;
Matches 9; Conservative
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Best Local Similarity 45.0°
Matches 9; Conservative
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COTHER INFORMATION: DGAT1
US-11-264-784-88
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OTHER INFORMATION: DGAT1
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ONEYFDSLLHACIPCOLRCS 22

Page 14

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GENERAL INFORMATION:
APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: The Institute of Physical and Chemical Research.
TILE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US; FILE REFERENCE: MOA-A0205Y1-US; CURRENT FILING DATE: 2003-05-29
FRIOR PRILING DATE: 2003-05-30
PRIOR PLILING DATE: 2002-05-30
PRIOR FILING DATE: 2002-05-31
SOFTWARE: Patentin Ver. 2.1
SSOFTWARE: Patentin Ver. 2.1
SEQ ID NO 40143
LENGTH: 398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Toundation for Advancement of International Science.
ITLE REFERENCE: MOA-A020571-US
FILE REFERENCE: MOA-A020571-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR PLING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: UP 2002-2038970
PRIOR APPLICATION NUMBER: UP 2002-338870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 31482
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
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Pred. No. 35;
2; Mismatches 3; Indels
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Pred. No. 34;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CSQNEYFDSLLHACIPCQLRCSSNTPPL 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22 CRLAHHLQHRVHECTPCQLHSTRFSFPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 31482, Application US/10449902; Publication No. US20060123505A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 43388, Application US/10449902; Publication No. US20060123505A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23.9%;
32.1%;
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     US20060123505A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18 OLRCSSNTPPLTCQ 31
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Best Local Similarity 32.1%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 64.5.
9, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Oryza sativa
US-10-449-902-40143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Oryza sativa
US-10-449-902-31482
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US-10-449-902-43388
     Publication No.
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Publication No. US2060107345A1
GENERAL INFORMATION
TITLE OF INVENTION: ENCONDED THERBY
FILE REPERENCE: 2750-15799US2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: PATENTIN VERSION 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 10622, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILLE OF INVENTION: ENCONDED THERBY
FILLE OF INVENTION: UMBER: US/10/953,349
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SEQ ID NO 10622
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 49; DB 6; Length 343;
Pred. No. 30;
                                                                                                                         Length 17;
                                                                                                                                                                       4; Indels
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                                                                                                                                                                       3; Mismatches
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                                                                                                                       24.4%; Score 49; 53.3%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7 FDSLLHACIPCQLRCSSNTPPLTCQRY 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 FDSLLHACIPCOLRCSSNTPPLTCORY 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 28
US-10-449-902-40143
; Sequence 40143, Application US/10449902
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 33.3%;
Matches 9; Conservative 4
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                     5 EYFDSLLHACIPCQL 19
                                                                                                                                                                                                                                                   1 ECFDALVHRWVPCDL 15
                                                ; OTHER INFORMATION: Clone 91 US-11-291-698A-132
                                                                                                                  Query Match
Best Local Similarity 53.3%
Matches 8; Conservative
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US-10-953-349-10622
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Query Match
Best Local Similarity 47.4
Matches 9; Conservative
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 49738
LENGTH: 272
                                                                                                                 Best Local Similarity 37.0
Matches 10; Conservative
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US-10-449-902-49738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
CORGANISM: Oryza sativa
US-10-449-902-28786
                           ; ORGANISM: Homo sapiens
US-10-505-928-94
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US-10-449-902-28786
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                                                                                               Query Match
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APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205X1-US
CURRENT APPLICATION UNBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: UP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR FILING DATE: 2002-05-30
PRIOR FILING DATE: 2002-101-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: PATENTIN VOICE: 2.1
                                                                                                                                                                                                                                                                                                                                                                                 Score 48; DB 6; Length 807;
Pred. No. 91;
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; Sequence 94, Application US/10505928
; Sequence 94, Application US/10505928
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; CURRENT APPLICATION NUMBER: US/10/505,928
; CURRENT FILING DATE: 2004-08-27
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ. ID NOS: 866
; SOFTWARE: Patentin 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 86, Application US/11221332

Publication No. US20060121498A1

GENERAL INFORMATION:
APPLICANT: EIRA Therapeutics
TITLE OF INTERNION:
FILE REFERENCE: 8912/2042

CURRENT FILLING DATE: 2005-09-07

PRIOR APPLICATION NUMBER: US/11/221,332

CURRENT FILLING DATE: 2004-03-05

PRIOR APPLICATION NUMBER: GB0305267.7

PRIOR FILLING DATE: 2003-05

PRIOR FILLING DATE: 2003-05

NUMBER OF SEQ ID NOS: 298

SOFTWARE: PALCHING DATE: 2003-05-07

NUMBER OF SEQ ID NOS: 298

SEQ ID NOS: 298
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Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       505 CSEASGLVYEFLPNGSLEDHLACESNTSPLTWQ 537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CSQNE--YFDSLLHACIPCQLRCSSNTPPLTCQ 31
                                                                                                                                                                                                                                                                                                                                                                                     Query Match 23.9%; Score 48; DB (Best Local Similarity 36.4%; Pred. No. 91; Matches 12; Conservative 5; Mismatches
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72.7%;
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275 IQCLSNTPPLT 285
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                                                                                                                                                                                                                                                                                             TYPE: PRT
CRGANISM: Oryza sativa
US-10-449-902-43388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
CORGANISM: Homo sapiens
US-11-221-332-86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 8; Conserv
                                                                                                                                                                                                                                                   SEQ ID NO 43388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 31
US-11-221-332-86
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Publication No. US20060123505A1
Fublication No. US20060123505A1
GENERAL InfoRMATION:
APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: The Institute of Physical and Chemical Research.
ITILE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
ITILE REFERENCE: MOA-A2025Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR PLICATION NUMBER: JP 2002-203269
PRIOR PRIOR PLICATION NUMBER: JP 2002-203269
PRIOR PRIOR PLICATION NUMBER: JP 2002-3033870
PRIOR PRIOR PLICATION NUMBER: JP 2002-3033870
PRIOR DATE: 2002-05-30
SOFTWARE: PatentIN Ver. 2.1
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Sequence 49738, Application US/10449902

Publication No. US20060123505A1

GENERAL InvokMATION:

APPLICANT: National Institute of Agrobiological Sciences.

APPLICANT: The Institute of Physical and Chemical Research.

APPLICANT: The Institute of Physical and Chemical Research.

APPLICANT: Foundation for Advancement of International Science.

TILE REFERENCE: MOA-A0205YI-US

CURRENT APPLICATION NUMBER: US/10/449,902

CURRENT FILING DATE: 2003-06-29

PRIOR PILING DATE: 2003-06-29

PRIOR PLING DATE: 2003-05-30

PRIOR PLING DATE: 2002-05-30

PRIOR PLING DATE: 2002-16-11
                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 272;
23.9%; Score 48; DB 6; Length 969; 37.0%; Pred. No. 1.1e+02;
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                                                                         1; Mismatches
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                                                                                                                                                                                                                      832 CEPGTÝFDSELIRCGECHHTCGTCVGP 858
                                                                                                                                                   1 CSQNEYFDSLLHACIPCQLRCSSNTPP 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28 CSMDSYFDDILKDTEHHAC 46
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Gaps
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APPLICANT: National Institute of Physical and Chemical Research.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-65-29
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR PILING DATE: 2002-12-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 17;
                                                                                                                                                                                                                                                                     APPLICANT: Gandon Angrew Cneer zuen,
APPLICANT: Gordon, Andraniel C.
APPLICANT: Geoles, Michael F.T.
APPLICANT: Koehlest, Michael F.T.
APPLICANT: Koehlest, Michael F.T.
APPLICANT: Scarowanik, Melissa A.
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
TILLE REPERENCE: 11669.174USC1
CURRENT APPLICATION NUMBER: US/11/291,698A
CURRENT FILING DATE: 2005-11-30
FRIOR APPLICATION NUMBER: PCT/US04/17682
FRIOR APPLICATION NUMBER: US 60/476,414
FRIOR APPLICATION NUMBER: US 60/476,414
FRIOR APPLICATION NUMBER: US 60/476,414
FRIOR APPLICATION NUMBER: US 60/476,531
FRIOR APPLICATION NUMBER: US 60/476,481
FRIOR PROPER FRIENCE DATE: 2003-06-05
FRIOR APPLICATION NUMBER: US 60/476,481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 47; DB 7;
Pred. No. 3.2;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 51084, Application US/10449902; Publication No. US20060123505A1; GENERAL INFORMATION:
                                                                                                                                                                  Sequence 137, Application US/11291698A publication No. US20060135430A1 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
   | ||:|::| || |
1 ECFDTLVNAWVPCNL 15
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1 ECFDSLVNAWVPCHV 15
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; OTHER INFORMATION: Clone 96
US-11-291-698A-137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 43.8'
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SOFTWARE: PatentIn Ver. 2.1
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US-10-449-902-51084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-449-902-51084
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LENGTH: 100
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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRACMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRACMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 34476
LENGTH: 276
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                                    Gaps
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                                 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: CDAIN, ANDIEW LIVE-ILUE.
APPLICANT: GORDON, ANDIEW LIVE-ILUE.
APPLICANT: Kelley, Robert F.
APPLICANT: Kelley, Robert F.
APPLICANT: Koehler, Michael F.T.
APPLICANT: Koehler, Michael F.T.
APPLICANT: Scarovasnik, Melissa A.
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
FILE REFERENCE: 11669.174 USC1
CURRENT APPLICATION NUMBER: US(11/291,698A
CURRENT FILING DATE: 2005-11.30
FRIOR PAPLICATION NUMBER: PCT/US04/17682
PRIOR PELLING DATE: 2003-06-05
PRIOR PELLING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-05
NUMBER OF SEQ ID NOS: 216
SOFTWARE: PATENTIN VERSION 3.3
SEQ ID NO 117
FEMANDE: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Mismatches
   47.4%; Pred. No. 38; ative 2; Mismatches
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                                                                                                                                                                                                                                                                                  Sequence 34476, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 117, Application US/11291698A Publication No. US20060135430A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CSQNEYFDSLL----HAC 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CSMDSYFDEILKDTEHHAC 45
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                                                                                       1 CSQNEYFDSLL----HAC 14
                                                                                                                              CSMDSYFDDILKDTEHHAC 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Zea mays subsp. mays
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    47.48;
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                           9; Conservative
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Best Local Similarity
Matches 8; Conserv
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                              RESULT 35
US-10-953-349-34476
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Sequence 24478, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 24478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 24477, Application US/10953349

Publication No. US2060107345A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: ENCONDED THERBY
CURRENT APPLICATION NUMBER: US/10/953,349

CURRENT APPLICATION NUMBER: US/10/953,349

CURRENT FILING DATE: 2004-09-30

NUMBER OF SEQ ID NOS: 40252

SEQ ID NO 24477
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: GI Number: 34912696; NR Description: P0686E09.18 [Oryza
; OTHER INFORMATION: sativa (japonica cultivar-group)] >gi|13365580|dbj|BAB39125.1|
US-11-174-307B-2182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5;
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Pred. No. 40;
2; Mismatches 6; Indels '
                                                                                                                                                                                            Length 1617;
                                                                                                                                                                                                                                         12; Indels
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                                                                                                                                                                                       Query Match
23.4%; Score 47; DB 7;
Best Local Similarity 36.4%; Pred. No. 2.4e+02;
Matches 8; Conservative 2; Mismatches 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13 ACIPCQL--RCSSNTP----PLTCQRY 33
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                                                                                                                                                                                                                                                                                                  13 ACIPCOLRCSSNTPPLTCQRYC 34
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46.4%;
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Best Local Similarity 46.4
Matches 13; Conservative
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Matches 13; Conservative
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; ORGANISM: Glycine max
US-10-953-349-24477
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CORGANISM: Glycine max
US-10-953-349-24478
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US-10-953-349-24477
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LOCATION:
OTHER INFORMATION: GI Number: 7239512; NR Description: Strong similarity to the
OTHER INFORMATION: higher plant tyrosine-specific protein phosphatases (PTPs) from A
OTHER INFORMATION: thaliana gi|3413424 expressed during embryogenesis. (Arabidopsis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: GI Number: 21536812; NR Description: unknown [Arabidopsis thaliar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2182, Application US/11174307B

Publication No. US20060143729A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT APPLICATION NUMBER: G0/503,671
PRIOR APPLICATION NUMBER: 60/503,671
PRIOR PELING DATE: 2004-06-30
PRIOR PELING DATE: 2004-06-30
PRIOR PELING DATE: 2004-06-30
PRIOR PELING DATE: 2004-66-30
PRIOR FILING DATE: 2004-66-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 7; Length 599;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     560 EPWDRLVTRCCPCNV-CS---PPKATTKEAYC 587
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                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Novel full length cDNA FILE REPERENCE: HI-AD106
CURRENT APPLICATION NOWEL full length cDNA CURRENT PELLING DATE: 2005-12-05
PRIOR APPLICATION NUMBER: US/11/293,697
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PATENTIN VET. 2.1
SEQ ID NO 3454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 47; DB
Pred. No. 93;
                                                                                                                                                                                                             Sequence 3454, Application US/11293697-
Publication No. US20060105376A1
GENERAL INFORMATION:
                                                           TYPE: PRT ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23.4%;
                            6 YFDSLLHACIPCQLRC 21
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Best Local Similarity 40.6
Matches 13; Conservative
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; ORGANISM: Homo sapiens
US-11-293-697-3454
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LOCATION:
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                                                                                                                                                           RESULT 39
US-11-293-697-3454
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Sequence 40222, Application US/10449902

| Beneral Money 1052060123505A1 |
| Bublication No. US20060123505A1 |
| GENERAL INFORMATION:
| APPLICANT: National Institute of Agrobiological Sciences. |
| APPLICANT: National Institute of Physical and Chemical Research APPLICANT: Foundation for Advancement of International Science. |
| APPLICANT: Foundation for Advancement of International Science. |
| APPLICANT: Foundation for Advancement of International Science. |
| TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF FILE REFERENCE: MOA-A0205Y1-US |
| CURRENT APPLICATION NUMBER: US/10/449,902 |
| PRIOR FILING DATE: 2003-05-29 |
| PRIOR FILING DATE: 2003-05-30 |
| PRIOR FILING DATE: 2002-12-11 |
| NUMBER OF SEQ ID NOS: 56791 |
| SOFTWARE: PatentIn Ver. 2.1 |
| LENGTH: 240
                                                                                                                        Gaps
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                                                                         Length 419;
                                                                                                                        Indels
                                                                                                                                                                                                     328 CGANREFDENTCQCV-CKRTCPRNQPLNPGKCACEC 362
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                                                                      DB 6;
                                                                                                                                                                        1 CSONEYFDSLLHACIPCOLRCSSNTP--PLTCORYC 34
                                                                    Query Match 23.1%; Score 46.5; D
Best Local Similarity 33.3%; Pred. No. 77;
Matches 12; Conservative 2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Lee, James
APPLICANT: Lee, James
APPLICANT: Lee, James
TITLE OF INVENTION: VEGF-RELATED PROTEIN
TITLE OF INVENTION: VEGF-RELATED PROTEIN
CURRENT APPLICATION NUMBER: US/11/346,806
CURRENT FILING DATE: 2006-02-03
PRIOR FILING DATE: 1999-05-17
PRIOR FILING DATE: 1996-08-30
NUMBER OF SEQ ID NOS: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: 1-419
OTHER INFORMATION: Sequence source: VRP
                                                                                                                                                                                                                                                                                                                                                   Sequence 3, Application US/11346806; Publication No. US20060121025A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Oryza sativa
US-10-449-902-40222
; ORGANISM: Homo sapiens
US-10-505-928-864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: Human
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US-11-346-806-3
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ORGANISM:
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                                                                                            APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: BACOUNDE THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION WUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40.252
SEQ ID NO 54476
LENGTH: 229
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Publication No. US20060088532A1
GENERAL INFORMATION
TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REPERENCE: 28967/33178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
FRIOR PELIOR POTE: 2004-08-27
NUMBER OF SEQ ID NOS: 866
SOFTWARE: Patentin 3.2
LENGTH: 419
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CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: PATENTIN 3.2
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46.4%; Pred. No. 43;
tive 2; Mismatches
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                       ; Sequence 24476, Application US/10953349; Publication No. US20060107345A1; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 23.1
Best Local Similarity 46.4
Matches 13; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Glycine max US-10-953-349-24476
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  US-10-953-349-24476
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US-10-505-928-864
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LENGTH: 419
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APPLICANT: CHAMPION:
APPLICANT: CHAMPION, LESLEY L.
APPLICANT: YOUNG, LESLEY L.
TITLE OF INVENTION: THERAPEUTIC USE OF MODULATORS OF NOTCH
FILE REFERENCE: 674525-2021
CURRENT APPLICATION WHBER: US/11/178,724
CURRENT APPLICATION NUMBER: US/11/178,724
CURRENT FILING DATE: 2005-07-11
PRIOR APPLICATION NUMBER: PCT/GB04/00021
PRIOR APPLICATION NUMBER: GB 0300428.0
PRIOR PILING DATE: 2003-01-09
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PATENTIN VOY: 3.3
SOFTWARE: PATENTIN VOY: 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: CHAMPION, BRIAN R.
APPLICANT: CHAMPION, BELSLEY L.
APPLICANT: YOUNG, LESLEY L.
APPLICANT: YOUNG, LESLEY L.
TITLE OF INVENTION: THERAPEUTIC USE OF MODULATORS OF NOTCH
FILE REFERENCE: 674525-2021
CURRENT APPLICATION NUMBER: US/11/178,724
CURRENT FILING DATE: 2005-07-11
PRIOR PLICATION NUMBER: PCT/GB04/00021
PRIOR APPLICATION NUMBER: GB 0300428.0
PRIOR APPLICATION NUMBER: GB 0300428.0
PRIOR PLING DATE: 2003-01-09
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver: 3.3
                                                                                                                                                                                                                                                           Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 7; Length 63;
                                                                                                                                                                                                                                                                                                                 2; Indels
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                                                                                                                                                                                                                                                                                                            3; Mismatches
                                                                                                                                                                                                                                                           Score 46;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12 HACIPCOLRCSSNTPPLTCQRYC 34
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; Publication No. US20060128619A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-11-178-724-13
; Sequence 13, Application US/11178724
; Publication No. US20060128619A1
NUMBER OF SEQ ID NOS: 216
SOFTWARE: Patentin version 3.3
SEQ ID NO 96
                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                        Query Match 22.9%;
Best Local Similarity 61.5%;
Matches 8; Conservative
                                                                                                                                                   FEATURE:

COTHER INFORMATION: Clone 54

US-11-291-698A-96
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION
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US-11-178-724-14
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                                                                               LENGIH: 17
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                        Length 940;
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                                                                               8; Indels
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Publication No. US20060135430A1

GENERAL INFORMATION:

APPLICANT: Chan, Andrew Chee-Yuen

APPLICANT: Gordon, Nathaniel C.

APPLICANT: Kelley, Robert F.

APPLICANT: Starovasnik, Melissa A.

TITLE OF INVENTION: BIYS ANTAGONISTS AND USES THEREOF

FILE REFERENCE: 11669.174USC1.

CURRENT APPLICATION NUMBER: US/11/291,698A

CURRENT APPLICATION NUMBER: US/11/291,698A

CURRENT APPLICATION NUMBER: US/11/291,698A

FILE REPERENCE: 12004-06-04

PRIOR FILING DATE: 2004-06-04

PRIOR FILING DATE: 2003-06-05

PRIOR PLING DATE: 2003-06-05

PRIOR PLING DATE: 2003-06-05

PRIOR PLING DATE: 2003-06-05

PRIOR APPLICATION NUMBER: US 60/476,531

PRIOR APPLICATION NUMBER: US 60/476,531

PRIOR APPLICATION NUMBER: US 60/476,481
                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Chan, Andrew Chee-Yuen
APPLICANT: Gordon, Nathaniel C.
APPLICANT: Gordon, Nathaniel C.
APPLICANT: Kelley, Robert F.
APPLICANT: Starovasnik, Michael F.T.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: BYS ANTAGONISTS AND USES THEREOF
FILE REFERENCE: 11669.174USCI.
CURRENT APPLICATION NUMBER: DCT/USO4/17682
PRIOR PAPLICATION NUMBER: DCT/USO4/17682
PRIOR FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-05
NUMBER OF SEQ. ID NOS: 216
SOFTWARE: PATENTIN VETSION 3.3
                        Query Match 23.1%; Score 46.5; DB 6; Best Local Similarity 43.5%; Pred. No. 1.6e+02; Matches 10; Conservative 2; Mismatches 8;
                                                                                                                                13 ACIPC---QLRCSSNTPPLTCQR 32
                                                                                                                                                                              2 ACIPCAKGKARCDGHFPCERCVR 24
                                                                                                                                                                                                                                                                                                              ; Sequence 70, Application US/11291698A
; Publication No. US20060135430A1
; GENERAL INFORMATION:
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ECFDLLVRAWVPCWLR 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 22.9%;
Best Local Similarity 56.2%;
Matches 9; Conservative
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US-11-291-698A-70
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                                                                                                                                                                                                                                              APPLICANT: CHAMPION, BRIAN ROBERT
APPLICANT: CHAMPION, MAGGARET JANE
APPLICANT: SOLARI, ROBERTO CELEGTE ERCOLE
APPLICANT: DALLAMNI, WARGARET JANE
APPLICANT: LAMB, JONNTHAR ROBERT
APPLICANT: HOYNE, GERARD FRANCIS
APPLICANT: BRIEND, EMANUNCHE CRILLE PASCAL
TILLE OF INVENTION: EMANUNCHERAPY USING MODULATORS OF NOTCH SIGNALLING
FILE REFERENCE: 674525-2018
CURRENT APPLICATION NUMBER: US/11/071,796A
CURRENT FILING DATE: 2005-09-05
PRIOR APPLICATION NUMBER: PCT/GB03/03874
PRIOR FILING DATE: 2003-09-05
PRIOR APPLICATION NUMBER: GB 0220658.9
PRIOR PLING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PATENTIN Ver. 3.3
SOFTWARE: PATENTIN Ver. 3.3
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Sequence 13, Application US/11071796A

Publication No. US20060140943A1

GENERAL INFORMATION:

APPLICANT: CHAMPION, BRIAN ROBERT

APPLICANT: SOLARY, ROBERT

APPLICANT: BALLWAN, WARGARET JANE

APPLICANT: LAMB, JONATHAN ROBERT

APPLICANT: HOYNE, GERARD FRANCIS

TITLE OF INVENTION: IMMUNOTHERARY USING MODULATORS OF NOTCH SIGNALLING

TITLE REPERENCE: 674525-2018

CURRENT APPLICATION NUMBER: US/11/071,796A

CURRENT FILING DATE: 2005-03-03

PRIOR APPLICATION NUMBER: PCT/GB03/03874

PRIOR FILING DATE: 2003-09-05

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 22.9%; Score 46; DB 7; Length 63; Best Local Similarity 30.4%; Pred. No. 15; Matches 7; Conservative 5; Mismatches 11; Indels
                                     12 HLELQIRVRCDENYSATCNKFC 34
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     12 HACIPCOLRCSSNTPPLTCORYC 34
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                                                                                                                                                                              ; Sequence 12, Application US/11071796A
; Publication No. US20060140943A1
; GENERAL INFORMATION:
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SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 13
LENGTH: 63
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; ORGANISM: Mus musculus
US-11-071-796A-12
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US-11-071-796A-13
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US-11-071-796A-12
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APPLICANT: CHAMPION, BRIAN R.

APPLICANT: YOUNG, LESLEY L.

APPLICANT: YOUNG, LESLEY L.

APPLICANT: WICKENZIE, CRAHAME J.

TITLE OF INVENTION: THERAPEUTIC USE OF MODULATORS OF NOTCH

FILE REFERENCE: 674525-2021

CURRENT APPLICATION NUMBER: 2005-07-11

PRIOR APPLICATION NUMBER: PCT/GB04/00021

PRIOR APPLICATION NUMBER: GB 0300428.0

PRIOR FILING DATE: 2003-01-09

NUMBER OF SEQ ID NOS: 43

SOUTHWARE: Patentin Ver: 3.3

LENGTH: 63
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US-11-170-724-16

j Sequence 16, Application US/11178724

j Publication No. US20060128619A1

GENERAL INFORMATION:

APPLICANT: VOUNG, LEGLEY L.

APPLICANT: YOUNG, LEGLEY L.

TITLE OF INVENTION: THERAPEUTIC USE OF MODULATORS OF NOTCH

FILE OF INVENTION: THERAPEUTIC USE OF MODULATORS OF NOTCH

FILE OF INVENTION: UNMBER: US/11/178,724

CURRENT FILING DATE: 2005-07-11

PRIOR FILING DATE: 2004-01-09

PRIOR FILING DATE: 2003-01-09

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PatentIn Ver: 3.3

SEQ ID NO 16

LENTH: 63

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                                                                           Query Match 22.9%; Score 46; DB 7; Length 63; Best Local Similarity 30.4%; Pred. No. 15; Matches 7; Conservative 5; Mismatches 11; Indels
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12 HLELQIRVRCDENYYSATCNKFC 34
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12 HLELQIRVRCDENYYSATCNKFC 34
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                                                                                                                                                                                                                                                                                                                                                    Sequence 15, Application US/11178724
Publication No. US20060128619A1
GENERAL INFORMATION:
; ORGANISM: Homo sapiens
US-11-178-724-14
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Best Local Similarity
Matches 7; Conservat
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Query Match
Best Local Similarity 42.1%;
Matches 8; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT; CRGANISM: Triticum aestivum
US-10-953-349-26728
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US-10-953-349-26728
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                                                                                                                                              APPLICANT: CHAMPION, BRIAN ROBERT
APPLICANT: SOLARI, ROBERTO CELESTE ERCOLE
APPLICANT: DALLMAN, MARCARET JANE
APPLICANT: LAMB, JONATHAN ROBERT
APPLICANT: HOYNE, GERARD FERNOTS
APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
TITLE OF INVENTION: IMMINOTHERAPY USING MODULATORS OF NOTCH SIGNALLING
FILE REFERENCE: 674525-2018
CURRENT APPLICATION NUMBER: US/11/071,796A
CURRENT PILING DATE: 2005-03-03
PRIOR APPLICANT
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Publication No. US20060140943A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: CHAMPION, BRIAN ROBERT
APPLICANT: BALLMAN, MARGARET JANE
APPLICANT: LAMB, JONATHAN ROBERT
APPLICANT: LAMB, JONATHAN ROBERT
APPLICANT: HOYNE, GENARIE FRANCIS
APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
TITLE OF INVENTION: IMMUNOTHERAPY USING MODULATORS OF NOTCH SIGNALLING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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15;
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CURRENT APPLICATION NUMBER: US/11/071,796A
CURRENT FILING DATE: 2005-03-03
                                                                                                                                                                                                                                                                                                                                                                                         CURRENT FILING DATE: 2005-00-03
PRIOR APPLICATION NUMBER: PCT/GB03/03874
PRIOR PILING DATE: 2003-09-05
PRIOR APPLICATION NUMBER: GB 0220658.9
PRIOR FILING DATE: 2002-09-05
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Pred. No.
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PRIOR FILING DATE: 2003-09-05
PRIOR APPLICATION NUMBER: GB 0220658.9
PRIOR FILING DATE: 2002-09-05
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HLELQIRVRCDENYYSATCNKFC 34
| : ::|| | ::|
12 HLELQIRVRCDENYYSATCNKFC 34
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                                                                                                                            Sequence 14, Application US/11071796A Publication No. US20060140943A1 GENERAL INFORMATION:
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Best Local Similarity 30.4%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT; ORGANISM: Rattus norvegicus
US-11-071-796A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn Ver. 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 22.9 Best Local Similarity 30.4 Matches 7; Conservative
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SOFTWARE: Patentin Ver.
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US-11-071-796A-15
                                                                                                            US-11-071-796A-14
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LENGTH: 63
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LENGTH: 63
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12 HACIPCOLRCSSNTPPLTCORYC 34

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APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 26727, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
FILE OF INVENTION:
FILE REPERENCE: 2750-1579PUS2
CURRENT FILING DATE: 2004-09-30
CURRENT FILING DATE: 2004-09-30
SOFTWARE: Patentin version 3.3
SEQ ID NO 26727
                                                                                                                                                                                              APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: ENCONDED THERBY
FILE REPERENCE: 2750-15799US2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 26729
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Pred. No. 91;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 26728, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
                                                                                                                       Sequence 26729, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
12 HLELQIRVRCDENYYSATCNKFC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     411 YIHESLHNCPGCESQCSSS 429
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Gaps

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APPLICANT: CHAMPION, BRIAN ROBERT
APPLICANT: CHAMPION, MARGARET JANE
APPLICANT: SOLARI, ROBERTO CELESTE ERCOLE
APPLICANT: DALLMAN, MARGARET JANE
APPLICANT: LAMB, JONATHAN ROBERT
APPLICANT: HOYNE, GERARD FRANCIS
APPLICANT: BRIEND, EMMANNOTHERAPY USING MODULATORS OF NOTCH SIGNALLING
FILE REFERENCE: 674525-2018
CURRENT APPLICATION NUMBER: US/11/071,796A
CURRENT APPLICATION NUMBER: US/13030374
PRIOR FILING DATE: 2005-03-03
PRIOR PLILNG DATE: 2005-09-05
PRIOR PPLING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PATENTIN VET: 3.3
SEQ ID NO 21
LENGTH: 1238
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1238;
     Best Local Similarity 30.4%; Pred. No. 2.5e+02;
Matches 7; Conservative 5; Mismatches 11; Indels
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US-10-505-928-150
Sequence 150, Application US/10505928
Sequence 150, Application US/10505928
Bublication No. US20060088332A1
GENERAL INFORMATION:
TITLE OF INVENTION:
FILE REPRENCE: 2896/39178
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: PATENTIN 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 46; DB 7; I Pred. No. 2.5e+02;
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                                                                                                                  189 HLELQIRVRCDENYYSATCNKFC 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           189 HLELQIRVRCDENYYSATCNKFC 211
                                                                                 12 HACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12 HACIPCOLRCSSNTPPLTCORYC 34
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                                                                                                                                                                                                                                                            ; Sequence 21, Application US/11071796A
; Publication No. US20060140943A1
; GENERAL INFORMATION:
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LENGTH: 5738
TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-505-928-150
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Sequence 46698 Application US/10449902

Publication No. US20060123505A1

SEMERAL INFORMATION:

APPLICANT: National Institute of Agrobiological Sciences.

APPLICANT: Bio-oriented Technology Research Advancement Institution.

APPLICANT: The Institute of Physical and Chemical Research.

APPLICANT: Foundation for Advancement of International Science.

TITLE OF INVENTION: FULL-LEWAIT CDNA AND USES THEREOF

FILE REFERENCE: MOA-A0205Y1-US

CURRENT FILING DATE: 2003-205-29

PRIOR APPLICATION NUMBER: US/10/449,902

CURRENT FILING DATE: 2002-205-30

PRIOR APPLICATION NUMBER: US 2002-203269

PRIOR APPLICATION NUMBER: US 2002-383870

PRIOR APPLICATION SOURCE: US 2002-303

PRIOR FILING DATE: 2002-12-11

NUMBER OF SEQ ID NOS: 56791

SEQ ID NO 46688

LENGTH: 820

LENGTH: 820
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| Sequence 22, Application US/11178724
| Publication No. US20060128619A1
| GBNERAL INFORMATION:
| APPLICANT: CHAMPION:
| APPLICANT: YOUNG, LESLEY L.
| APPLICANT: WCKENZIE, GRHAME J.
| TITLE OF INVENTION: THERAPEUTIC USE OF MODULATORS OF NOTCH TITLE OF INVENTION: THERAPEUTIC USE OF MODULATORS OF NOTCH FILE REFERENCE: 674525-2021
| CURRENT APPLICATION NUMBER: US/11/178,724
| CURRENT FILING DATE: 2005-01-11
| PRIOR APPLICATION NUMBER: GB 0300428.0
| PRIOR FILING DATE: 2003-01-09
| PRIOR FILING DATE: 2003-01-09
| NUMBER OF SEQ ID NOS: 43
| SOSTUMARE: PATENTION NOS: 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22.9%; Score 46; DB 6; Length 820; 30.8%; Pred. No. 1.7e+02;
                                                                                                                               Length 462;
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                                                                                                                               Score 46; DB 6;
Pred. No. 97;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4; Mismatches
                                                                                                                                                                                   3; Mismatches
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                                                                                                                                                                                                                                                                                       443 YIHESLHNCPGCESQCSSS 461
                                                                                                                                                                                                                                       6 YFDSLLHACIPCQLRCSSN 24
                                                                                                                               22.9%;
42.1%;
LENGTH: 462
TYPE: PRT
ORGANISM: Triticum aestivum
                                                                                                                                                                                8; Conservative
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Best Local Similarity 30.8°
Matches 8; Conservative
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CRGANISM: Homo sapiens
US-11-178-724-22
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US-10-449-902-46698
                                                                                                                             Query Match
Best Local Similarity
                                                                            US-10-953-349-26727
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Gaps

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Sequence 18907, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
TYPE OF INVENTION:
TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: ENCONDED THERBY
CURRENT APLICATION NUMBER: 1260-12739UG2
CURRENT APPLICATION NUMBER: 1260-12739UG3
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 18907
LENGTH: 375
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: The Institute of Physical and Chemical Research.
TILLE OF INVENTION: FOULD-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-AO205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR PILING DATE: 2003-05-29
PRIOR PELICATION NUMBER: UP 2002-203269
PRIOR PELICATION NUMBER: UP 2002-383870
PRIOR PELICATION NUMBER: UP 2002-383870
PRIOR PELICATION NUMBER: UP 2002-383870
SPIOR SEQ ID NOS: 56791
SOFTWARE: PatentIN Ver. 2.1
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                                                                                                                                               Gaps
                                                                                                                                               17;
                                                                                                     Length 238;
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                                                                                                                                                                                       -LHACIPCOLRC-SSNTPPLTCQ
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                                                                                                          DB 6;
                                                                                                     22.6%; Score 45.5; D
32.6%; Pred. No. 60;
iive 3; Mismatches
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32.6%; Pred. No. 93;
:ive 3; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 EYFDSLLHAC----IPCOLRCSSNTPP 27
                                                                                                                                                                                                                                                                                                                                    ; Sequence 32087, Application US/10449902; Publication No. US20060123505A1; GENERAL INFORMATION:
                                                                                                     Query Match 22.6
Best Local Similarity 32.6
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Oryza sativa
  ; LENGTH: 238
; TYPE: PRT
; ORGANISM: Glycine max
US-10-953-349-18908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Glycine max
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Matches 11; Conserv
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Matches 15; Conserv
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US-10-953-349-18907
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Publication No. US20060107345A1
GENERAL INFORMATION
GENERAL INFORMATION:
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: ENCONDED THERBY
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT APPLICATION NUMBER: US/10/953,349
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 18908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22.6%; Score 45.5; DB 7; Length 38; 40.9%; Pred. No. 11; tive 3; Mismatches 9; Indels
                                                                                               APPLICANT: Reactive Surfaces, Ltd.
TITLE OF INVENTION: Antifungal Paints and Coatings
TITLE REFERENCE: RACT-00400
CURRENT APPLICATION NUMBER: US/11/368,086
CURRENT FILING DATE: 2006-03-03
PRIOR APPLICATION NUMBER: US/10/884,355
PRIOR PILING DATE: 2004-07-02
PRIOR PILING DATE: 2000-07-03
PRIOR FILING DATE: 2000-07-03
NUMBER OF SEQ ID NOS: 199
SOFTWARE: PatentIn version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22.6%; Score 45.5; DB 6; 29.4%; Pred. No. 47;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 CIKNGGRCNASAGPPYCCSSYC 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14 CIPCQLRCSSNT-PPLTCQRYC 34
                                         Sequence 52, Application US/11368086 Publication No. US20060141003A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Phytolacca americana
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 40.55
Local Similarity 40.55
Local Similarity
Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 29.4'
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: PRT
; ORGANISM: Glycine max
US-10-953-349-11907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-953-349-11907
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US-10-953-349-18908
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RESULT 65
US-11-368-086-52
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                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 52
LENGTH: 38
                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
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Sequence 10969, Application US/10953349

Publication No. US20060107345A1

Publication No. US20060107345A1

Publication No. US20060107345A1

APPLICANT: ALEXANDROV, Nickolai et al.

TITLE OF INVENTION: ENCONDED THERBY

TITLE OF INVENTION: ENCONDED THERBY

FILE REFERENCE: 2750-1579PUS2

CURRENT APPLICATION NUMBER: US/10/953,349

CURRENT FILING DATE: 2004-09-30

NUMBER OF SEQ ID NOS: 4025-2

SOFTWARE: Patentin version 3.3
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Sequence 15813, Application US/10449902

Bublication No. US20060123505A1

GENERAL INFORMATION:
APPLICANT: National institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902

CURRENT FILING DATE: 2003-05-29

PRIOR FILING DATE: 2003-05-30

PRIOR FILING DATE: 2002-12-11

NUMBER OF SEQ ID NOS: 56791

SOFTWARE: PatentIn Ver. 2.1

LENGTH: 531
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                                                                                                                                                                                                                                                                              7; Indels
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Pred. No. 1.5e+02;
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                                                                                                                                                                                                                                 DB 6;
                                                                                                                                                                                                                                                                                                                                6 YFDSLLHACIPC-----QLR--CSSNTPP 27
                                                                                                                                                                                                                                                                                                                                                                               12 YTRNLLHHSAPAFDASTRPQLRLFCSNETPP 42
                                                                                                                                                                                                                           ch 22.6%; Score 45.5; D
1 Similarity 41.9%; Pred. No. 96;
13; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 NEYFDSLLHACIPCQLRCSSNTPPLTCQRY 33
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CURRENT FILING DATE: 2004-09-30 WUMBER OF SEQ ID NOS: 40252 SOFTWARE: PATENTIN VERSION 3.3 SEQ ID NO 25217
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ORGANISM: Arabidopsis thaliana
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60.0%;
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// ORGANISM: Oryza sativa

US-10-449-902-35813
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Best Local Similarity
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Best Local Similarity
                                                                                                                                                      ORGANISM: Glycine max
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Best Local Similarity
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LENGTH: 630
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Publication No. US20060107345A1

GRNERAL INFORMATION:

TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRACMENTS AND CORRESPONDING POLYPEPTIDES

TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2

CURRENT APPLICATION NUMBER: US/10/953,349

CURRENT FILING DATE: 2004-09-30

SOFTWARE: Patentin version 3.3

SEQ ID NOS: 40252

SOFTWARE: Patentin version 3.3
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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REPERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
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APPLICANT: Shaw, Peter M.
APPLICANT: Shaw, Peter M.
APPLICANT: Shaw, Peter M.
APPLICANT: Clark, Edwin
TITLE OF INVENTION: BLOMARKERS AND METHODS FOR DETERMINING SENSITIVITY TO
TITLE OF INVENTION: MICROTUBULE-STABILIZING AGENTS
FILE REFERENCE: 10338 NP
CURRENT APPLICATION NUMBER: US/11/289,102
CURRENT FILING DATE: 2005-11-29
PRIOR APPLICATION NUMBER: US 60/631,993
PRIOR PILING DATE: 2004-11-30
NUMBER OF SEQ ID NOS: 395
SOFTWARE: PATENT VERSION 3.3
SEQ ID NO 304
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             242 CSSNVKNDSLDYPLLVPNATYAYTAHECVKC--KCDSSNNFILQCE 285
     229 CSSNVKNDSLDYPLLVPNATYAYTAHECVKC--KCDSSNNFILQCE 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -----LHACIPCQLRC-SSNTPPLTCQ 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    60 QDGYYGFSKNGCLPCQCNNRSASCDALTGACLNCQENSKGNHCE 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 45.5; DB 7; Length 3 Pred. No. 93; 6; Mismatches 13; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. 96;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22.6%; Score 45.5;
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; Publication No. US20060107345A1
; GENERAL INFORMATION:
                                                                                                                       Sequence 304, Application US/11289102; Publication No. US20060121511A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 QNEYFDSLLHACIPCQ-----
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Best Local Similarity 22.7°
Matches 10; Conservative
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Matches 15; Conservative
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CORGANISM: Homo sapiens
US-11-289-102-304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Glycine max
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US-10-953-349-34202
US-10-953-349-34202
Sequence 34202, Application US/10953349
Publication No. US20060107345A1
Sequence 34202, Application US/10953349
Publication No. US20060107345A1
SEQUENCE OF INVENTION: SEQUENCE DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: ENCONDED THERBY
TITLE OF INVENTION: US/10/953,349
CURRENT APPLICATION VMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Parent In version 3.3
SEQ ID NO 34202
LENGTH: 88
                                     Gaps
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Pred. No. 58;
4; Mismatches 11; Indels
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                                   8; Indels
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APPLICANT: Diamandis, Eleftherios
TITLE OF INVENTION: Novel Human Kallikrein-Like Genes
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CURRENT APPLICATION NUMBER: US/11/293,697
CURRENT FILING DATE: 2005-12-05
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR APPLICATION NUMBER: US/10/108,260
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PATENTIN Ver. 2.1
         36.8%; Pred. No. 12;
tive 4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-11-293-697-3039
; Sequence: 3039, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11 LHACIPCOLRCSSNTPPLTC 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          53 VHASATČFSRWLSRTPPPSC 72
                                                                                                       19 CVPTECYDLLVRKCVDCRL 37
                                                                         1 CSQNEYFDSLLHACIPCOL 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Zea mays subsp. mays US-10-953-349-34202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22.4%;
         Best Local Similarity 36.8
Matches 7; Conservative
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Matches 9; Conservative
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Best Local Similarity 40.0
Matches 14; Conservative
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US-11-319-952-23
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APPLICANT: HSU, HALLING
APPLICANT: ALONG, PEI
THEAD INVENTION: PEPTIDES AND RELATED MOLECULES THAT BIND TO TALL-1
FILE REFERENCE: A-743
CURRENT APPLICATION NUMBER: US/11/272,521
CURRENT APPLICATION NUMBER: US/10/145,206
PRIOR APPLICATION NUMBER: US/10/145,206
PRIOR PILING DATE: 2002-05-13
PRIOR APPLICATION NUMBER: US 60/290,196
NUMBER OF SEQ ID NOS: 197
SOFTWARE: PATENTIN VEYESON 3.1
         Gaps
       3;
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    Indels
                                                                                                                                                                   Sequence 114, Application US/11291698A; Publication No. US20060135430A1; GENERAL INFORMATION: GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: Chan, Andrew Chee-Yuen; APPLICANT: Gordon, Nathaniel C.; APPLICANT: Kelley, Robert F.; APPLICANT: Kelley, Robert F.; APPLICANT: Starovasnik, Melissa A.; ITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF; FILE REFERENCE: 11669.174USC1; CURRENT APPLICATION NUMBER: US/11/291,698A; CURRENT APPLICATION NUMBER: DCT/US04/17682; PRIOR FILING DATE: 2000-60-04; PRIOR APPLICATION NUMBER: US 60/476,531; PRIOR FILING DATE: 2000-06-05; PRIOR PELING DATE: 2003-06-05; PRIOR FILING DATE: 2003-06-05; NUMBER OF SEQ ID NOS: 216; SOFTWARE PATENTIN VETSION 3.3
    5;
    Mismatches
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Publication No. US20060135431A1
GENERAL INFORMATION:
    7;
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ORGANISM: Artificial Sequence
                                            19 LRCSSNTPP---LTC 30
                                                                      ) OTHER INFORMATION: Clone 73
US-11-291-698A-114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5 EYFDSLLHACIPC 17
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  Conservative
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Best Local Similarity
8; Conserv?
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ORGANISM: Human
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Matches
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APPLICANT: ALEXANDROV, Nickolai
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22.4%; Score 45; DB 7; Length 296;
Best Local Similarity 30.3%; Pred. No. 86;
Matches 10; Conservative 6; Mismatches 17; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 45; DB 7; Length 250;
Pred. No. 73;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Yousef, George M.
APPLICANT: Diamandis, Eleftherios
TILLE OF INVENTION: Novel Human Kallikrein-Like Genes
FILE REPERENCE: MTS3USA
CURRENT APPLICATION NUMBER: US/11/319, 952
CURRENT APPLICATION NUMBER: US/09/936,271
PRIOR FILING DATE: 2005-12-28
PRIOR APPLICATION NUMBER: US/09/936,271
PRIOR FILING DATE: 2001-09-10
PRIOR FILING DATE: 2001-09-10
PRIOR PLING DATE: 1999-03-11
PRIOR FILING DATE: 1999-03-11
PRIOR APPLICATION NUMBER: US 60/127,386
PRIOR APPLICATION NUMBER: US 60/127,386
PRIOR PILING DATE: 1999-04-01
PRIOR FILING DATE: 1999-04-01
PRIOR FILING DATE: 1999-07-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  150 SANDHNDDIMLIRLPROARLSPAVOPLNLSQTC 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            104 SANDHNDDIMLIRLPRQARLSPAVQPLNLSQTC 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 SQNEYFDSLLHACIPCOLRCSSNTPPLTCQRYC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Mismatches
                CURRENT APPLICATION NUMBER: US/11/319,952
CURRENT FILING DATE: 2005-12-28
PRIOR APPLICATION NUMBER: US/09/936,271
PRIOR FILING DATE: 2001-09-10
PRIOR FILING DATE: 2000-03-09
PRIOR PLING DATE: 2000-03-09
PRIOR APPLICATION NUMBER: US 60/124,260
PRIOR APPLICATION NUMBER: US 60/124,260
PRIOR PILING DATE: 1999-03-11
PRIOR FILING DATE: 1999-04-01
PRIOR FILING DATE: 1999-04-01
PRIOR FILING DATE: 1999-07-21
NUMBER OF SEQ ID NOS: 97
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 22, Application US/11319952; Publication No. US20060134114A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22.4%;
30.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
  FILE REFERENCE: MTS3USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
Matches 10; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-11-174-307B-4590
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US-11-319-952-22
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LENGTH: 296
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LOCATION:
OTHER INFORMATION: GI Number: 12320957; NR Description: hyoscyamine
OTHER INFORMATION: 6-dioxygenase hydroxylase, putative [Arabidopsis thaliana]
OTHER INFORMATION: 94|15219523|ref|NP 174753.1| oxidoreductase, 20G-Fe(II) oxygenase
OTHER INFORMATION: family protein [Arabidopsis thaliana] 94|25285682|pir||G86472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTHER INFORMATION: GI Number: 37536200; NR Description: putative gibberellin OTHER INFORMATION: 20-oxidase [Oryza sativa (japonica cultivar-group)] OTHER INFORMATION: 20-oxidase [Oryza sativa (japonica cultivar-group)]; OTHER INFORMATION: 9gi|27311281|gb|AA000707.1| putative gibberellin 20-oxidase [Oryza CTHER INFORMATION: sativa (japonica cultivar-group)] >gi|31433136|gb|AAP54689.1| US-11-174-307B-4590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION: GI Number: 55771340; NR Description: putative oxidoreductase INFORMATION: [Oryza sativa (japonica cultivar-group)] INFORMATION: gi|55771331|dbj|BAD72256.1| putative oxidoreductase [Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
;
APPLICANT: BROVER, Vyacheslav
TITLE OF INVENTION: NUCLEDIES ENQUENCES AND POLYBEPTIDES ENCODED THEREBY
TITLE OF INVENTION: UGEPUL FOR MODIFYING PLANT CHARACTERISTICS
FILE REPERENCE: 2750-1601PUS2
CURRENT PEPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
PRIOR APPLICATION NUMBER: 60/583,611
PRIOR FILING DATE: 2004-06-30
PRIOR FILING DATE: 2004-06-30
PRIOR PLILING DATE: 2004-06-30
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OTHER INFORMATION: GI Number: 42565664; NR Description: oxidoreductase,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION: GI Number: 42565662; NR Description: oxidoreductase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
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22.4%; Score 45; DB 7; Length 330;
Best Local Similarity 32.4%; Pred. No. 95;
Matches 11; Conservative 4; Mismatches 13; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION: APPLICANT: National Institute of Agrobiological Sciences.
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CURRENT APPLICATION NUMBER: US/10/449,902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 43722, Application US/10449902
Publication No. US20060123505A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION:
OTHER INFORMATION: GI Number:
OTHER INFORMATION: [Oryza sati
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
LOCATION:
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APPLICANT: Muralidhara Padigaru
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODED THEREBY
FILE REFERENCE: Cura 551 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      986 CPAGLYGDNCRHSCL-CQNGGTCDPVSGHCACPEGWAGLACEKEC 1029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1198;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22.4%; Score 45; DB 7; Length 119:
24.4%; Pred. No. 3.2e+02;
tive 5; Mismatches 17; Indels
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CURRENT FILING DATE: 2005-08-31
PRIOR PILLING DATE: 2005-06-33
PRIOR FILLING DATE: 2003-06-03
PRIOR FILLING DATE: 2003-06-03
PRIOR PILLING DATE: 2002-01-22
PRIOR PILLING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262,892
PRIOR PILLING DATE: 2001-01-19
PRIOR PILLING DATE: 2001-01-19
PRIOR PILLING DATE: 2001-01-23
PRIOR PILLING DATE: 2001-01-23
PRIOR PILLING DATE: 2001-01-23
PRIOR FILLING DATE: 2001-01-24
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APPLICANT: Richard A. Shimkets
APPLICANT: Meera Petturajan
APPLICANT: Vladimir Y. Gusev
APPLICANT: Vladimir Y. Gusev
APPLICANT: Vladimir Y. Chernev
APPLICANT: Velizar T. Tchernev
APPLICANT: David W. Anderson
APPLICANT: Luca Rastelli
APPLICANT: Luca Rastelli
APPLICANT: Mei Zhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 6, Application US/11217997; Publication No. US20060111561A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 24.4
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-11-217-997-14
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                                                                                                                                                                                                                                                                                                                                                                                          12;
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                                                                                                                                                                                                                         Length 801;
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Pred. No. 2.2e+02;
6; Mismatches 9
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                                                                                                                                                                                                                                                                                       1 CSONEYFDSLLHACIPCOLRCSSNTPPLTCQ 31
     ; CURRENT FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-6-30
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOPTWARE: PatentIN Ver. 2.1
; SEQ ID NO 43722
; LENGTH: 801
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Publication No. US20060111561A1
GENERAL INFORMATION:
APPLICANT: Valerie L. Gerlach
APPLICANT: Elma R. Fernandes
APPLICANT: Richard A. Shimkets
APPLICANT: Meera Patturajan
APPLICANT: Vladimir Y. Gusev
APPLICANT: Stacie (Casman) Navara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Stacie (Casman) Navara
Velizar T. Tchernev
David W. Anderson
Xiaojia (Sasha) Guo
Luca Rastelli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mei Zhong
Muralidhara Padigaru
                                                                                                                                                                                                                      Query Match 22.4%;
Best Local Similarity 32.3%;
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 34.3%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-44686
                                                                                                                                                    ; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-43722
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Gaps

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FEATURE:
NAME/KEY: misc_feature
COCATION:
COTHER INFORMATION: GI Number: 50932775; NR Description: putative beta-ketoacyl
OTHER INFORMATION: Synthase [Oryza sativa (japonica cultivar-group)]
OTHER INFORMATION: >gi|50080251|gb|AAT69586.1| putative beta-ketoacyl synthase [Oryza US-11-174-3078-2584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: GI Number: 7671483; NR Description: putative aldose OTHER INFORMATION: 1-epimerase-like protein (Arabidopsis thabiana) OTHER INFORMATION: -yej |11358633|pir||149949 probable aldose 1-epimerase-like protein OTHER INFORMATION: Arabidopsis thaliana -yej||15242223|ref||NP_197018.1| aldose
                                                                                                                                      LOCATION:
OTHER INFORMATION: GI Number: 1045614; NR Description: beta-ketoacyl-CoA synthase
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OTHER INFORMATION: GI Mumber: 21537069; NR Description: aldose 1-epimerase-like
FEATURE:
                                                                                                                                                                                                                   NAME/KEY: misc_feature
LOCATION:
LOCATION:
OTHER INFORMATION: GI Number: 23297625; NR Description: beta-ketoacyl-CoA
OTHER INFORMATION: synthase [Arabidopsis thaliana] >gi|l0177945|dbj|BABI1304.1|
OTHER INFORMATION: beta-ketoacyl-CoA synthase [Arabidopsis thaliana]
OTHER INFORMATION: >gi|l5983491|qb|AAL11613.1| ATSG43760/MQD19_11 [Arabidopsis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Name: Aldose_epim; PFam Description: Aldose 1-epimerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2242, Application US/11174307B
; Sequence 2242, Application US/11174307B
; Publication No. US20060143729A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
JITLE OF INVENTION: WOLCECTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
; TITLE OF INVENTION: WOSFPUL FOR MODIFYING PLANT CHARACTERISTICS
; TITLE OF INVENTION: USFPUL FOR MODIFYING PLANT CHARACTERISTICS
; FILE REFERENCE: 2760-1601PUS2
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: 60/583,781
; PRIOR APPLICATION NUMBER: 60/583,781
; PRIOR APPLICATION NUMBER: 60/583,651
; PRIOR PELING DATE: 2004-06-30
; REALOR APPLICATION NUMBER: 60/583,651
; REALOR PORTOR DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 5544
            OTHER INFORMATION: beta-keto-Coa synthase gbU37088 from Simmondsia chinensis. OTHER INFORMATION: [Arabidopsis thaliana] gi|7488037|pir||T00951 probable
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: _ _ OTHER INFORMATION: GI Number: 26452398; NR Description: putative aldose
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1600;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 45; DB 7; 1
Pred. No. 4.2e+02;
1; Mismatches 13;
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ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 22.4%;
Best Local Similarity 36.4%;
Matches 8; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION:
OTHER INFORMATION: PFam
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NAME/KEY: misc_feature
                                                                                                      NAME/KEY: misc_feature
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                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION:
OTHER INFORMATION: PFam Name: MMTV_SAg; PFam Description: Mouse mammary tumour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chal_sti_synt_N; PFam Description: Chalcone and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: PFam Name: Chal_sti_synt_C; PFam Description: Chalcone and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: BROVER, Vyacheslav
TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
FILE REFERENCE: 2750-1601PUS2
CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                      - See File Wrapper or PALM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1450;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 45; DB 7; 1
Pred. No. 3.8e+02;
5; Mismatches 17;
PRIOR APPLICATION NUMBER: 60/264,117
PRIOR FILING DATE: 2001-01-25
PRIOR PELING DATE: 2001-01-25
PRIOR PILING DATE: 2001-01-25
PRIOR PILING DATE: 2001-01-26
PRIOR PILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR PILING DATE: 2001-01-26
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-03-02
Remaining Prior Application data removed - S
NUMBER OF SEQ ID NOS: 62
SEQ ID NO 6
LENGTHAL 1450
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PRIOR FILING DATE: 2004-06-30
PRIOR PILING DATE: 2004-06-30
PRIOR PILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR APPLICATION NUMBER: 60/583,651
NUMBER OF SEQ ID NOS: 5544
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Publication No. US20060143729A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22.4%;
24.4%;
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Best Local Similarity 24.4%
Dest Local Similarity 24.4%
These 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Homo sapiens
US-11-217-997-6
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NAME/KEY: misc_feature
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US-11-174-307B-2584
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Gaps

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Sequence 30356, Application US/10953349

Sequence 30356, Application US/10953349

Publication No. US20060107345A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES TITLE OF INVENTION:
FILE REPERENCE: 2750-15799US2
CURRENT APPLICATION NUMBER: US/10/953,349

CURRENT FILING DATE: 2004-09-30

NUMBER OF SEQ ID NOS: 40252

SOFTWARE: PatentIn version 3.3

SEQ ID NO 30356

LENGTH: 83
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FILE REFERENCE: 2750-15799US2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 30355
LENGTH: 85
TYPE: PRT
ORGANISM: Triticum aestivum
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APPLICANT: Bio-oriented Technology Research Advancement Institution APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: The Institute of Physical and Chemical Research.
TTLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 35834
LENGTH: 56
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Pred. No. 21;
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Pred. No. 30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25 CSSLSSFISLKYACSWLIACYCTCSKIT
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42.9%;
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US-10-953-349-30356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 42.9
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                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-35834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
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CTHER INFORMATION: microfibril-associated protein [Arabidopsis thaliana]
OTHER INFORMATION: sgi[2565010]gb[AAB81880.1] putative microfibril-associated protei
CTHER INFORMATION: [Arabidopsis thaliana] sgi[7487954]pir[|T01826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: GI Number: 50251322; NR Description: putative MFAP1 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-11-174-307B-56

Sequence 56, Application US/11174307B

Publication No. US20060143729A1

Sequence 56, Application VS/11174307B

Sequence 56, Application No. US20060143729A1

APPLICANT: ALEXANDROW, Nickolai

APPLICANT: BROVER, Vyacheslus

TITLE OF INVENTION: WUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY

TITLE OF INVENTION: USEFUL, FOR MODIFYING PLANT CHARACTERISTICS

TITLE OF INVENTION: USEFUL, FOR MODIFYING PLANT CHARACTERISTICS

CURRENT APPLICATION NUMBER: US/11/174,307B

CURRENT FILING DATE: 2005-06-30

PRIOR FILING DATE: 2004-06-30

PRIOR FILING DATE: 2004-06-30
                                                                                               NAME/KEY: misc_feature; LOCATION: COTHER INFORMATION: GI Number: 15824565; NR Description: non-cell-autonomous US-11-174-3078-2242
                                                          INFORMATION: GI Number: 15824567; NR Description: non-cell-autonomous
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                                                                                                                                                                                                                                           DB 7; Length 1636; 4.3e+02;
                                                                                                                                                                                                                                                                                                   13; Indels
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                                                                                                                                                                                                                                                                                                   1; Mismatches
                                                                                                                                                                                                                                              Score 45;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 35834, Application US/10449902
Publication No. US20060123505A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                        1137 ACAGCATACGATTTTCTCCAAC 1158
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                                                                                                                                                                                                                                           Query Match 22.4%;
Best Local Similarity 36.4%;
Matches 8; Conservative
  NAME/KEY: misc_feature
LOCATION:
OTHER INFORMATION: GI N
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US-10-449-902-35834
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Sequence 36422, Application US/10449902

Publication No. US200601235081

GRNERAL INFORMATION:

APPLICANT: National Institute of Agrobiological Sciences.

APPLICANT: The Institute of Physical and Chemical Research.

APPLICANT: The Institute of Physical and Chemical Research.

APPLICANT: The Institute of Physical and Chemical Research.

TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF

FILE REFERENCE: MOA-A0205Y1-US

CURRENT PELLON NUMBER: US/10/449,902

CURRENT FILING DATE: 2002-05-30

PRIOR APPLICATION NUMBER: UP 2002-203269

PRIOR APPLICATION NUMBER: UP 2002-383870

PRIOR APPLICATION NUMBER: UP 2002-383870

PRIOR PELING DATE: 2002-12-11

NUMBER OF SEQ ID NOS: 56791

SEQ ID NO 36422

LENGTH: 988
                                        Sequence 36200, Application US/10449902

Publication No. US20060123505A1

GENERAL INFORMATION:

APPLICANT: National Institute of Agrobiological Sciences.

APPLICANT: The Institute of Physical and Chemical Research.

APPLICANT: The Institute of Physical and Chemical Research.

APPLICANT: The Institute of Physical and Chemical Research.

ITILE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF

FILE REFERENCE: MOA-A02025Y1-US

CURRENT APPLICATION NUMBER: US/10/449,902

CURRENT APPLICATION NUMBER: US 2002-203269

PRIOR PILING DATE: 2003-05-30

PRIOR PILING DATE: 2002-12-11

NUMBER OF SEQ ID NOS: 56791

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 36200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 44.5; DB 6;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 SQNEYFDSLLHACIP--COLRCSSNTPPLTCOR 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27 SKNYYLLPYLRNNVPWCC---CTSCNPPIVCVR 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    441 CSENSHIVNL------GSNTAPFTC 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Mismatches
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Sequence 105, Application US/11291698A
Publication No. US20060135430A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 22.1%;
Best Local Similarity 36.4%;
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 33.39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Oryza sativa
US-10-449-902-36200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-36422
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                          US-10-449-902-36200
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Publication No. US20060107345A1
Publication No. US20060107345A1
Publication No. US20060107345A1
APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: SECUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
FILE REFERENCE: 2750-1579PUS2
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: PATENTIN Version 3.3
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| Publication No. US20060123505A1
| GENERAL INFORMATION: US20060123505A1
| GENERAL INFORMATION: US20060123505A1
| APPLICANT: National Institute of Agrobiological Sciences.
| APPLICANT: Bio-oriented Technology Research Advancement Institution.
| APPLICANT: The Institute of Physical and Chemical Research.
| APPLICANT: Pio-oriented Technology Research Advancement of International Science.
| TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
| TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
| CURRENT APPLICATION NUMBER: US/10/449,902
| PRIOR FILING DATE: 2002-05-30
| PRIOR FILING DATE: 2002-12-11
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                                                   DB 6; Length 85;
                                                                                                   12; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12; Indels
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                                                Score 44.5; DE
Pred. No. 31;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22.1%; Score 44.5; 1
33.3%; Pred. No. 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22.1%; Score 44.5; 33.3%; Pred. No. 48;
                                                                                                                                                 1 CSQNEYFDSLLHACIPCQLRCSSNTPP 27
                                                                                                                                                                                 35 CSQTQYHNACILFCNKCCRKCLC-VPP 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CSQNEYFDSLLHACIPCQLRCSSNTPP 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                80 CNONS-----IVCMVRCALTPPP 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CSQTQYHNACILFCNKCCRKCLC-VPP 81
                                             Query Match
Best Local Similarity 33.3%;
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Triticum aestivum US-10-953-349-30354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match
Best Local Similarity 33.5%
Best Local 9; Conservative
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Best Local Similarity 33.5.
Best Local 9; Conservative
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US-10-449-902-39002
                                                                                                                                                                                                                                                                             RESULT 92
US-10-953-349-30354
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US-10-953-349-30355
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LENGTH: 136
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APPLICANT: MOG, TELL
TITLE OF INVENTION: PEPTIDES AND RELATED MOLECULES THAT BIND TO TALL-1
TITLE OF INVENTION: PEPTIDES AND RELATED MOLECULES THAT BIND TO TALL-1
CURRENT APPLICATION NUMBER: US/11/272,521
CURRENT FILING DATE: 2005-11-10
PRIOR FILING DATE: 2002-05-13
PRIOR FILING DATE: 2002-05-13
PRIOR FILING DATE: 2001-05-11
NUMBER OF SEC ID NOS: 197
SOFTWARE: PATENTIN VERSION 3.1
SOFTWARE: PATENTIN VERSION 3.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 10 Application US/11287121A
Fublication No. US20060111296A1
Fublication No. US20060111296A1
GENERAL INFORMATION:
APPLICANT: Ley, Arthur C.
APPLICANT: Ley, Arthur C.
TITLE OF INVENTION: PLASMIN-INHIBITORY THERAPIES
FILE REFERENCE: 10280-122001
CURRENT APPLICATION NUMBER: US/11/287,121A
CURRENT APLICATION NUMBER: US/11/287,121A
CURRENT FILING DATE: 2004-11-22
NUMBER OF SEQ ID NOS: 24
SEQ THANG DATE: 2004-11-22
NUMBER OF SEQ ID NOS: 24
SEQ THANG DATE: 2004-11-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 44; DB 7;
Pred. No. 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3; Mismatches
                                                                                                                                  US-11-272-521-196
; Sequence 196, Application US/11272521
; Publication No. US20060135431A1
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; Sequence 56, Application US/11253176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Artificial Sequence
| || |:| :| |
ECFDVLVHRWVPCGL 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 QNEYFDSLLHACIPC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24 OGKFYDHLLRDCISC 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 46.73
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 28.9 Matches 11; Conservative
                                                                                                                                                                                                                                        APPLICANT: MIN, HOSUNG
APPLICANT: HSU, HAILING
                                                                                                                                                                                                                 GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Human
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US-11-287-121A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-11-272-521-196
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 115, Application US/11291698A

Sequence 115, Application US/11291698A

Publication No. US20060135430A1

GENERAL INFORMATION:
APPLICANT: Gordon, Nathaniel C.
APPLICANT: Keelley, Robert F.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
FILE REFERENCE: 11669.174USC1

CURRENT APPLICATION NUMBER: US/11/291,698A

CURRENT FILING DATE: 2004-06-04

PRIOR APPLICATION NUMBER: US 60/476,414

PRIOR APPLICATION NUMBER: US 60/476,414

PRIOR APPLICATION NUMBER: US 60/476,414

PRIOR PLING DATE: 2003-06-05

PRIOR APPLICATION NUMBER: US 60/476,481

PRIOR PLING DATE: 2003-06-05

PRIOR PLING DATE: 2003-06-05

NUMBER OF SEGO ID NOS: 216

SOFTWARE PERCENTIN VERSION 3.3
                                                                                          APPLICANT: ACRITET, MELISER A.
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
FILE REFERENCE: 11669.1740SC1
CURRENT APPLICATION NUMBER: US/11/291,698A
CURRENT PILING DATE: 2005-11-30
PRIOR APPLICATION NUMBER: PCT/USO4/17682
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR PILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-05
NUMBER OF SEQ ID NOS: 216
SOFTWARE: PARENTIN VERSION 3.3
SEQ ID NO 105
LENGTH: 17
                      Gordon, Nathaniel C.
Kelley, Robert F.
Koehler, Michael F.T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
21.9%;
Best Local Similarity 53.3%;
Matches 8; Conservative ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 ECFDSLVRLWVPCNL 15
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US-11-291-698A-115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Clone 63
US-11-291-698A-105
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7

Gaps

5 EYFDSLLHACIPCQL 19

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PUDJICATION NO. US20060134087A1
GENERAL INPORMATION:
APPLICANT: LEY, Arthu C.
APPLICANT: GUTERAN, Sonia K.
APPLICANT: GUTERAND, William
APPLICANT: MARKLAND, WILLIAM
APPLICANT: ROBERS, Burce L.
ITLE OF INVENTION: ITLE DI KUNITZ DOMAIN MUTANTS AS HNE INHIBITORS
FILE REFERENCE: D0617.70054033
CURRENT APPLICATION NUMBER: US/0128
FRICH REPLICATION NUMBER: US/038,722
PRIOR APPLICATION NUMBER: US/038,722
PRIOR PILING DATE: 1999-07-21
PRIOR APPLICATION NUMBER: PCT/US95/16349
PRIOR PILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: US/08/133,031
PRIOR APPLICATION NUMBER: US/08/133,031
PRIOR APPLICATION NUMBER: US/08/133,031
PRIOR PILING DATE: 1992-02-28
NUMBER OF SEO ID NOS: 173
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 56
LENGTH: 58
TYPE: PRT
CORGANISM: Homo sapiens
US-11-253-176-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
21.9%; Score 44; DB 7; Length 58;
Best Local Similarity 28.9%; Pred. No. 25;
Matches 11; Conservative 7; Mismatches 16; Indels
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US-09-798-789-16 US-10-218-102-426 US-10-029-386-33998 US-10-994-726-675 US-10-029-386-34054 US-10-840-060-202 US-11-097-143-1545	US-10-425-114-45953 US-10-425-115-201156 US-10-424-599-253590	US-10-193-109-8 US-10-193-409-8	US-09-738-626-4794 US-10-425-115-201180	US-10-363-461-3 US-10-401-324-40 US-09-826-212-13	US-09-935-727-15	US-10-186-643-13 US-10-418-242-15	US-11-182-946-13 US-10-401-324-48	US-10-106-698-6253	US-11-096-568A-2842	US-11-096-568A-2841 US-10-425-114-53387	US-10-425-114-53400	US-10-425-115-352027	US-10-425-114-38921	US-10-732-923-14189	US-10-108-260A-3434 US-10-169-395-61	US-10-747-032-2 US-10-497-526-4	US-11-097-143-21189 US-11-045-004-584	US-11-097-143-9312	US-10-732-923-14188 US-09-842-758-20	US-10-174-333-20	US-11-097-143-12231	US-09-842-758-18 US-10-174-333-18	US-10-052-648A-34	US-10-055-877-214	US-11-097-143-21459 US-10-037-182-36	US-09-808-602-81	US-U9-8U0-198-69 US-10-072-012-489	US-10-112-944-347	US-10-037-182-2	US-10-312-352-22	US-10-687-268-31	US-10-312-088-30	US-10-995-561-1015	US-10-821-234-1076 HS-10-464-368-74	US-10-369-493-5119	US-10-425-115-211648 US-10-425-115-307317	US-10-424-599-159059	
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APPLICANT: Fox, Brian A.
APPLICANT: Shelpoard, James L.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: Ztnfr14, A Tumor Necrosis Factor
TITLE OF INVENTION: Receptor
FILE REFERENCE: 03-17
CURRENT APPLICATION NUMBER: US/10/967,527A
CURRENT FILING DATE: 2004-10-18
PRIOR FILING DATE: 2003-10-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0%; Pred. No. 2.4e-17;
Matches 34; Conservative 0; Mismatches 0;
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100.0%; Score 201; DB 5;
Best Local Similarity 100.0%; Pred. No. 2.8e-17;
Matches 34; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9
LENGTH: 40
                                 PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Petentin version 3.1
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 9, Application US/10967527A; Publication No. US20050256041A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LOCATION: (1)...(40)
; OTHER INFORMATION: cysteine rich
US-10-967-527A-9
    CURRENT FILING DATE: 2001-09-11
                                                                                                                                                                                                                                                                                                                                                                LENGTH: 34
TYPE: PRT
ORGANISM: Homo sapiens
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US-10-967-527A-9
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Sequence 7, Application US/09854864

Sequence 7, Application US/09854864

Sequence 7, Application US/09854864

GENERAL INFORMATION:

TELE OF INVENTION: BLYS/AGP-3, AND TACI

TILLE OF INVENTION: BLYS/AGP-3, AND TACI

FILE REFERENCE: A-686B

CURRENT FILING DATE: 2000-09-11

PRIOR PAPLICATION NUMBER: US 60/204,039

PRIOR PLING DATE: 2000-05-12

PRIOR PLING DATE: 2000-05-12

PRIOR PLING DATE: 2000-05-12

PRIOR PLING DATE: 2000-06-13

SOFTWARE PLING DATE: 2000-06-17

NUMBER OF SEQ ID NOS: 31

SOFTWARE: Patentin version 3.1

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Publication No. US20020086018A1
GENERAL INFORMATION:
APPLICANT: THEILL, LARS EVDE
APPLICANT: YU, GANG
TITLE OF INVENTION: 3, AND TACI
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
CURRENT APPLICATION NUMBER: US/09/855,158
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US-10-61-740-4
US-10-61-740-4
US-10-696-002-18
US-10-192-480-8
US-10-792-480-8
US-10-792-461-8
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Best Local Similarity
Matches 34; Conserv
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US-09-855-158-7
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APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, BL)
TITLE OF INVENTION: 3, AND TACI
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Sequence 13, Application US/09854864

Sequence 13, Application US/09854864

GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE

TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLXS/AGP-3, AND TACI

FILE REFERENCE: A-6868

CURRENT APPLICATION NUMBER: US/09/854,864

CURRENT PILING DATE: 2001-09-11

PRIOR FILING DATE: 2000-05-12

PRIOR APPLICATION NUMBER: US 60/214,391

PRIOR FILING DATE: 2000-06-27

NUMBER OF SEQ ID NOS: 31

SEQ ID NO 13

LENGTH: 81

LENGTH: 81
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Best Local Similarity 100.0%; Pred. No. 4e-17;
Matches 34; Conservative 0; Mismatches 0; Indels
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Pred. No. 4e-17:
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FILE REFERENCE: A-686A
CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR PILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEC ID NOS: 30
SOFTWARE: PatentIn version 3.1
SSOFTWARE: PatentIn version 3.1
LENGTH: 58
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Best Local Similarity 100.0%;
Matches 34; Conservative 0
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US-09-855-158-21
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Best Local Similarity
Matches 34; Conserva
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US-09-854-864-13
          US-09-854-864-21
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US-09-854-864-13
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APPLICANT: THEILL, LARS EYDE
APPLICANT: THEILL, LARS EYDE
APPLICANT: THEILL, LARS EYDE
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: A' AND TACI
FILE REFERENCE: A-686A
CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT PLING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-30
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Patent No. US200200081296A1
GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
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100.0%; Score 201; DB 3;
Best Local Similarity 100.0%; Pred. No. 3.5e-17;
Matches 34; Conservative 0; Mismatches 0;
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100.0%; Score 201; DB 3;
Best Local Similarity 100.0%; Pred. No. 3.5e-17;
Matches 34; Conservative 0; Mismatches 0;
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CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
LENGTH: 58
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Publication No. US20020086018A1
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patentin version 3.1
SEQ ID NO 6
LENGTH: 51
                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Publication No. US20020086018A1

Publication No. US20020086018A1

APPLICANT: THEILL, LARS EYDE

APPLICANT: THEILL, LARS EYDE

APPLICANT: THEILL, LARS EYDE

APPLICANT: YU, GANG

TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING AFRIL/G70, BCMA, BL)

TITLE OF INVENTION: MYMBER: US 4001

FILE REFERENCE: A-686A

CURRENT APPLICATION NUMBER: US 60/211

PRIOR APPLICATION NUMBER: US 60/214,591

PRIOR FILING DATE: 2000-06-27

PRIOR PLICATION NUMBER: US 60/204,039

PROPER FILING DATE: 2000-05-12

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PALENTH OF SEQ ID NOS: 30

SOFTWARE: PALENTH OF SEQ ID NOS: 30

LENGTH: 181
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APPLICANT: Schneider, Pascal
APPLICANT: Schneider, Pascal
APPLICANT: Biogen, Inc.
APPLICANT: Biogen, Inc.
TITLE OF INVENTION: Baff Receptor (BCMA), An TITLE OF INVENTION: Immunoregulatory Agent FILE REFERENCE: A080PCT CURRENT APPLICATION NUMBER: US/10/077,438
CURRENT APPLICATION NUMBER: 60/149,378
PRIOR PAPLICATION NUMBER: 60/149,378
PRIOR PAPLICATION NUMBER: 60/149,378
PRIOR PILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR APPLICATION NUMBER: 60/183,536
PRIOR PILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 184
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Publication No. US20020165156A1
GENERAL INFORMATION:
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APPLICANT: Browning, Jeffr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 100.
Matches 34; Conservative
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ORGANISM: Homo sapiens
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Best Local Similarity
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                                                                                                                        Sequence 13, Application US/09855158

Sequence 13, Application US/09855158

Sequence 13, Application US/09855158

Sequence 13, Application US/09855158

SERVERAL INPORMATION:

APPLICANT: THEILL, LARS EYDE

APPLICANT: YU, GANG

TITLE OF INVENTION: 3, AND TACI

FILE REFRERNCE: A-666A

CURRENT APPLICATION NUMBER: US/09/855,158

CURRENT APPLICATION NUMBER: US 60/214,591

PRIOR APPLICATION NUMBER: US 60/214,591

PRIOR APPLICATION NUMBER: US 60/204,039

PRIOR FILING DATE: 2000-05-12

NUMBER OF SEQ ID NOS: 30

SEQ ID NO 13

LENGTH: 81

LENGTH: 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 5, Application US/09854864

Facture No. US20020081296A1

Batent No. US20020081296A1

GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE

TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: METHODS AND TACI
FILE REFERENCE: A.666B

CURRENT FILING DATE: 2000-09-11

PRIOR APPLICATION NUMBER: US 60/204,039

PRIOR PLING DATE: 2000-05-12

PRIOR APPLICATION NUMBER: US 60/214,591

PRIOR APPLICATION NUMBER: US 60/214,591

PRIOR APPLICATION NUMBER: US 60/214,591

SOFTWARE PATENT OF SEQ ID NOS: 31

FEATURE OF SEQ ID NOS: 31

FEATURE OF SEQ ID NOS: 31

FEATURE OF SEQ ID NOS: 31
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100.0%; Score 201; DB 3; Length 81;
Best Local Similarity 100.0%; Pred. No. 5.4e-17;
Matches 34; Conservative 0; Mismatches 0; Indels
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     1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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US-09-855-158-5
; Sequence 5, Application US/09855158
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Best Local Similarity 100.
Matches 34; Conservative
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; ORGANISM: Consensus
US-09-855-158-13
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TITLE OF INVENTION: Antibodies That Bind Both BCWA and TACI
FILE REPERINCE: 01-04
CURRENT APPLICATION NUMBER: US/10/068,725
CURRENT FILING DATE: 2002-02-06
FRIOR PEPLICATION NUMBER: 60/270,274
FRIOR PEPLICATION NUMBER: 60/283,447
FRIOR APPLICATION NUMBER: 60/283,447
FRIOR APPLICATION NUMBER: 60/283,447
FRIOR APPLICATION NUMBER: 60/283,505
FRIOR APPLICATION NUMBER: 60/283,607
FRIOR PERIOR DATE: 2001-04-12
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 201; DB 4; Length 184; Best Local Similarity 100.0%; Pred. No. 1.2e-16; Matches 34; Conservative 0; Mismatches no restriction
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     Indels
                                                                                               8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
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                                                     1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
     0; Mismatches
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FRIOR APPLICATION NUMBER: 05/10/077,137
CURRENT FILING DATE: 2001-02-15
FRIOR PELLING DATE: 1999-08-17
FRIOR FILING DATE: 2000-02-11
FRIOR PLING DATE: 2000-02-11
FRIOR APPLICATION NUMBER: 60/181,684
FRIOR FILING DATE: 2000-02-18
NUMBER: OF SEQ ID NOS: 8
SEQ ID NO 7
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Schneider, Pascal
APPLICANT: Thompson, Jeffrey
APPLICANT: Biogen, Inc.
APPLICANT: Apotech RED S.A.
TITLE OF INVENTION: Baff Receptor (BCMA), An
TITLE OF INVENTION: Immunoregulatory Agent
PILE REFERENCE: A080PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-068-725-2; Sequence 2, Application US/10068725; Publication No. US20030012783A1; GENERAL INFORMATION:
                                                                                                                                                                                                                               Sequence 7, Application US/10077137
Publication No. US20020172674A1
                                                                                                                                                                                                                                                                                                                               Browning, Jeffrey
Ambrose, Christine
Tschopp, Jurg
                                                                                                                                                                                                                                                                                                          APPLICANT: MacKay, Fabienne
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Best Local Similarity 100.
Matches 34; Conservative
     34; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: homo sapien
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APPLICANT:
APPLICANT:
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     Matches
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Pred. No. 1.2e-16;
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100.0%; Pred. No. 1.2e-16;
iive 0; Mismatches 0;
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APPLICANT Browning, Jeffrey
APPLICANT Browning, Jeffrey
APPLICANT Techopp, Jurg
APPLICANT Thompson, Jeffrey
APPLICANT Thompson, Jeffrey
APPLICANT Apotech R&D S.A.
TITLE OF INVENTION: Baff Receptor (BCWA), An
ITLE OF INVENTION: Immunoregulatory Agent
FILE REFERENCE: A080PCT
CURRENT APPLICATION NUMBER: US/10/077,438
CURRENT FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/189,378
PRIOR APPLICATION NUMBER: 60/189,378
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR APPLICATION NUMBER: 60/181,536
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FASELEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: MacKay, Fabienne
APPLICANT: Browning, Jeffrey
APPLICANT: Ambrose, Christine
APPLICANT: Tschopp, Jurg
APPLICANT: Thompson, Jeffrey
APPLICANT: Thompson, Jeffrey
APPLICANT: Thompson, Jeffrey
APPLICANT: Apotech R&D S.A.
TITLE OF INVENTION: Baff Receptor (BCMA), An
TITLE OF INVENTION: Immunoregulatory Agent
FILE REFERENCE: A080PCT
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CURRENT FILING DATE: 2001-02-15
PRIOR APPLICATION NUMBER: 60/149,378
PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR PELING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/183,536
PRIOR FILING DATE: 2000-02-18
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FASESEQ for Windows Version 4.0
Sequence 7, Application US/10077438
Publication No. US20020165156A1
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Best Local Similarity 100.
Matches 34; Conservative
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Best Local Similarity
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Sequence 11, Application US/10216074
Publication No. US20030148445A1
GENERAL INFORMATION:
APPLICANT: Shu, Hong-Bing
TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES, PROTEINS, RECEPTORS AND
TITLE OF INVENTION: METHODS OF USE THEREOF
TITLE OF INVENTION: METHODS OF USE THEREOF
TITLE OF INVENTION: METHODS OF USE THEREOF
TITLE OF INVENTION WIMBER: US/10/216,074
CURRENT FILING DATE: 2003-03-12
PRIOR APPLICATION NUMBER: US/09/565,423
PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR PLILING DATE: 2000-05-05
PRIOR PLILING DATE: 2000-05-01
PRIOR PLILING DATE: 1999-05-06
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Publication No. US20030103966A1

GENERAL INFORMATION:
APPLICANT: Rixon, Mark W.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT APPLICATION NUMBER: 60/293,343
PRIOR APPLICATION NUMBER: 60/293,343
PRIOR PLILING DATE: 2001-05-24
PRIOR PLILING DATE: 2001-05-24
NUMBER OF SEQ 1D NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
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                  APPLICANT: Gross, Jane A.
APPLICANT: Xu, Wenfeng
APPLICANT: Xu, Wenfeng
APPLICANT: Grant, Francis, J.
TITLE OF INVENTY: Human Tumor Necrosis Factor Receptor
FILE REFRENCH: 00-103
CURRENT APPLICATION NUMBER: US/10/008,063
CURRENT APPLICATION NOWS: 201-11-05
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
100.0%; Score 201; DB 4;
Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 34; Conservative 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 34; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
US-10-008-063-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
GENERAL INFORMATION:
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US-10-152-363A-27
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LENGTH: 184
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Sequence 47. Application US/10151882
Publication No. US20030059862A1
Sequence 47. Application US/10151882
Publication No. US20030059862A1
GENERAL INFORMATION:
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Antibodies Against Tumor Necrosis Factor Delta (APRIL)
FILE REFERENCE: PFS54
CURRENT APPLICATION NUMBER: US/10/151,882
CURRENT FILING DATE: 2001-05-22
PRIOR FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 48
SOFTWARE: Patentin version 3.0
SEQ ID NO 47
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; Publication No. US20030082175A1
; GENERAL INFORMATION:
; APPLICANT: Apotech R & D S.A.
; TITLE OF INVENTION: April Receptor (BCWA) and Uses Thereof
; TITLE OF INVENTION: April Receptor (BCWA) and Uses Thereof
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: US/10/115,192
; CURRENT FILING DATE: 2000-06-30
; PRIOR FILING DATE: 2000-06-30
; PRIOR FILING DATE: 2000-06-30
; PRIOR FILING DATE: 2000-06-11
; PRIOR FILING DATE: 1999-10-06
; WUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 4.0
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US-10-008-063-7;
Sequence 7, Application US/10008063
; Publication No. US20030092164A1
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Best Local Similarity 100.0
Matches 34; Conservative
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TYPE: PRT
ORGANISM: Homo sapiens
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Matches 34; Conserv
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APPLICANT: Dixit, Vishva
APPLICANT: Grewal, Igbal
APPLICANT: Ridgway, John
APPLICANT: Aldway, John
TITLE OF INVENTION: TACIS and BR3 Polypeptides and Uses Thereof
FILE REFERENCE: 11669.175USWO
CURRENT APPLICATION NUMBER: US/10/485,489
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/USO2/23487
PRIOR APPLICATION NUMBER: US 60/310,114
PRIOR APPLICATION NUMBER: US 60/310,114
PRIOR APPLICATION NUMBER: US 60/377,171
PRIOR FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 19
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Publication No. US20050043516A1

GENERAL INFORMATION:
APPLICANT: CHUNTHARARAI, ANAN
APPLICANT: KIM, KYUNG JIN
APPLICANT: KIM, KYUNG JIN
APPLICANT: TXM, MINHONG
TITLE OF INVENTION: TACI Antibodies and Uses Thereof
FILE REPRENCE: 191942R1
CURRENT APPLICATION NUMBER: US/10/626,914
CURRENT FILING DATE: 2003-07-25
PRIOR FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 17
SEQ ID NOS: 17
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100.0%; Pred. No. 1.2e-16;
iive 0; Mismatches 0;
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100.0%; Pred. No. 1.2e-16;
iive 0; Mismatches 0;
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PRIOR FILING DATE: 2002-12-23
PRIOR APPLICATION NUMBER: US 66
PRIOR FILING DATE: 2003-05-02
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
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Best Local Similarity 100.0
Matches 34; Conservative
                                                                                                                                                                                                                                                                                                             Best Local Similarity 100. Matches 34; Conservative
                                                                                                                                                                             TYPE: PRT
; ORGANISM: Homo sapiens
US-10-742-634-9
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ORGANISM: Homo sapien
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US-10-626-914-6
                                                                                                                                                          LENGTH: 184
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APPLICANT: Mackwitz, Sanford David
APPLICANT: Mackwitz, Sanford David
APPLICANT: Mackwitz, Sanford David
APPLICANT: Bos Biotechnology, Inc.
APPLICANT: Case Western Reserve University
TITLE OF INVENTION: OGNOET, Compositions and Methods of Screening for
TITLE OF INVENTION: Cancer, Compositions and Methods of Screening for
TITLE OF INVENTION: Modulators of Metastatic Colorectal Cancer
TITLE OF INVENTION WOMBER: US 60/272,206
PRIOR FILING DATE: 2001-04-02
PRIOR FILING DATE: 2001-04-02
PRIOR FILING DATE: 2001-04-02
PRIOR PILING DATE: 2001-04-02
PRIOR PILING DATE: 2001-04-03
PRIOR FILING DATE: 2001-04-04
PRIOR FILING DATE: 2001-04-17
NUMBER OF SEQ ID NOS: 41
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Publication No. US20040208824A1

GENERAL INFORMATION:

APPLICANT: Parmelee, David

APPLICANT: Yeh, Ren-Hwa

APPLICANT: Hibbert, David

APPLICANT: August A.

FILE OF INVENTION: Neutrokine-alpha Conjugate, Neutrokine-alpha Complex, and Uses Th

FILE REFERENCE: 1488-1810002

CURRENT PELING DATE: 2003-12-22
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100.0%; Score 201; DB 4;
Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 34; Conservative 0; Mismatches 0;
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100.0%; Score 201; DB 4;
Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 34; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                           1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 39, Application US/10087080; Publication No. US20030235820A1; GENERAL INFORMATION:
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
                                                                                                 TYPE: PRT
GORGANISM: Homo sapiens
US-10-216-074-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
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                                                                            LENGTH: 184
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US-10-742-634-9
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Gaps

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WEREKAL INVORMATION:

WEREKAL INVORMATION:

APPLICANT: Parmelee, David

APPLICANT: Parmelee, David

APPLICANT: Galperina, Olga

APPLICANT: Galperina, Olga

APPLICANT: Galperina, Olga

APPLICANT: Galperina, Olga

APPLICANT: Rosen, Craig A.

APPLICANT: Rosen, Craig A.

TILE OF INVENTION: Neutrokine-alpha Conjugate, Neutrokine-alpha Complex, and Uses The

FILE REFERENCE: 1468-1810002

CURRENT APPLICATION NUMBER: US 60/435, 262

PRIOR APPLICATION NUMBER: US 60/457, 198

PRIOR FILING DATE: 2002-12-23

PRIOR PLING DATE: 2003-05-02

NUMBER OF SEQ ID NOS: 17
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Sequence 8, Application US/10967527A

Sublication No. US2005256041A1

GENERAL INFORMATION:
APPLICANT: Fox, Brian A.
TITLE OF INVENTION: Zenfr14, A Tumor Necrosis Factor
TITLE OF INVENTION: Receptor
FILE REFERENCE 03-17

CURRENT APPLICATION NUMBER: US/10/967,527A

CURRENT APPLICATION NUMBER: 60/511,698

PRIOR FILING DATE: 2003-10-16

PRIOR FILING DATE: 2003-10-16

PRIOR FILING DATE: 2003-10-16

NUMBER OF SEQ ID NOS: 51

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 8

LENGTH: 184
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Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 34; Conservative 0; Mismatches 0;
                                                                                               Query Match
100.0%; Score 201; DB 5;
Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 34; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 9, Application US/10742634; Publication No. US20050249671A9; GENERAL INFORMATION:
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US-10-742-634-9
; ORGANISM: Homo sapiens
US-10-989-826-46
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ORGANISM: homo sapiens
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LENGTH: 184
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Squence 46, Application US/10989826

Squence 46, Application No. US20050238650A1

GENERAL INFORMATION:

APPLICANT: Generhech, Inc.

APPLICANT: Beauvage, Frederic J.

APPLICA
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Publication No. US20050095243A1

GENERAL INFORMATION:

APPLICANT: Andrew Chan

APPLICANT: Andrew Chan

APPLICANT: Plavius Martin

ITILE OF INVENTION: COMBINATION THERAPY FOR B CELL DISORDERS

FILE REFERENCE: P2040HIUS

CURRENT PLING DATE: 2004-06-06

PRIOR APPLICATION NUMBER: US 60/476,531

PRIOR PLING DATE: 2003-06-06

PRIOR PLING DATE: 2003-06-06

PRIOR FILING DATE: 2003-06-06

PRIOR PLING DATE: 2003-06-05

PRIOR FILING DATE: 2003-06-05

NUMBER OF SEQ ID NOS: 145

SEQ ID NO 27

LENGTH: 184
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100.0%; Score 201; DB 5; Length 184;
Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 34; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                         Length 184;
                                                                                                                                                                                                                                         Indels
                                                                                                                                                                      ; Score 201; DB 5;
; Pred. No. 1.2e-16;
0; Mismatches 0;
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                                                                                                                                                                  Query Match
Best Local Similarity 100.0%;
Matches 34; Conservative 0,
                               TYPE: PRT
ORGANISM: Homo sapiens
US-10-485-489-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Homo sapiens
US-10-861-049-27
   LENGTH: 184
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APPLICANT: Gross, Jane A.
APPLICANT: Gross, Jane A.
APPLICANT: Gross, Wenfeng
APPLICANT: Madden, Karen
APPLICANT: Madden, Karen
APPLICANT: Medeny
FILE ABOVIG P.
TITLE OF INVENTION: SOLUBLE RECEPTOR BR43X2 AND METHODS OF USING
FILE REFREENCE: 05558.0034.CNUS01
CURRENT APPLICATION NUMBER: US/11/200,992
CURRENT PILING DATE: 1090-01-07
PRIOR FILING DATE: 1999-01-07
PRIOR FILING DATE: 1999-01-07
PRIOR FILING DATE: 09/9-12-09
PRIOR FILING DATE: 09/9-12-09
PRIOR FILING DATE: 2000-01-07
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FastSEQ for Windows Version 3.0
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   Length 184;
                                                                                                                                                                                                                                                                                                                                                                                        | GENERAL INFORMATION:
| APPLICANT: RIXON, Mark W. |
| APPLICANT: RIXON, Mark W. |
| APPLICANT: RIXON, Mark W. |
| APPLICANT: Gross, Jane A. |
| TTTLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins |
| TTRLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins |
| FILE REFERENCE: 01-20 |
| CURRENT FILING DATE: 2005-10-03 |
| PRIOR FILING DATE: 2006-65-20 |
| PRIOR APPLICATION NUMBER: US/10/152,363 |
| PRIOR FILING DATE: 2001-05-24 |
| NUMBER OF SEQ ID NOS: 70 |
| SEQ ID NO 27 |
| LENGTH: 184
                                                              Indels
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Score 201; DB 6;
Pred. No. 1.2e-16;
; Mismatches 0;
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                                                                                                                                                                8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                         1 CSQNEYFDSLLHACIPCOLRCSSNTPPLTCQRYC 34
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                                                                                                                                                                                                                                                                                                      US-11-242-294-27; Sequence 27, Application US/11242294; Publication No. US20060034852A1
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Publication No. US20060067933A1
GENERAL INFORMATION:
Query Match

Best Local Similarity 100.0%; P.
Matches 34; Conservative 0;
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ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-11-200-992-8
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Matches 34; Conserv
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US-11-200-992-8
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APPLICANT: Mannion, Jane
APPLICANT: Mannion, Jane
APPLICANT: Mannion, Jane
APPLICANT: Clapper, Jonathan David
APPLICANT: Clapper, Jonathan David
APPLICANT: Clapper, Januen
APPLICANT: Ordonez, Nadia
APPLICANT: Ordonez, Nadia
APPLICANT: Corter, Lauren
APPLICANT: McMosali, Parricia Dianne
APPLICANT: McMosali, Parricia Dianne
APPLICANT: McMosali, Parricia Dianne
APPLICANT: McMosali, Parricia Dianne
APPLICANT: McMosali Malignancies
TITLE OF INVENTION: and Therapy of Hematological Malignancies
TITLE OF INVENTION: and Therapy of Hematological
CURRENT APPLICATION NUMBER: US/10/501,841
CURRENT FILING DATE: 2003-01-22
PRIOR FILING DATE: 2003-01-22
PRIOR FILING DATE: 2003-01-22
PRIOR FILING DATE: 2003-01-22
PRIOR FILING DATE: 2003-01-22
SOFTWARE: Patentin Ver: 2.1
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Publication No. US20050163775A1

GENERAL INFORMATION:

APPLICANT: Andrew Chan

APPLICANT: Andrew Chan

APPLICANT: Andrew Chan

APPLICANT: Plavius Martin

TILE OF INVENTION: COMBINATION THERAPY FOR B CELL DISORDERS

FILE REFERENCE: P2040M1P1

CURRENT FILING DATE: 1004-12-2

PRIOR APPLICATION NUMBER: US 60476,531

PRIOR PILING DATE: 2004-06-04

PRIOR PILING DATE: 2003-06-06

PRIOR PILING DATE: 2003-06-05

PRIOR PILING DATE: 2003-06-05
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100.0%; Score 201; DB 5;
Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 34; Conservative 0; Mismatches 0;
                             CSONEYFDSLLHACIPCOLRCSSNTPPLTCORYC 34
                                                              8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
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                                                                                                                                                                                                                                           Sequence 4, Application US/10501841
Publication No. US20060084055A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                          APPLICANT: Gaiger, Alexander
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-021-874-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-10-501-841-4
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5 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 38

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Sequence 9, Application US/09855158

Publication No. US20202086018A1

Sequence 9, Application US/09855158

Publication No. US20202086018A1

SEQUENCE 1 VINCEMATION:

APPLICANT: THEILL, LARS EXDE

APPLICANT: YU, GANG

TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, BL)

FILE REFERENCE: A-686A

CURRENT PILING DATE: 2001-09-11

PRIOR APPLICATION NUMBER: US 60/214,591

PRIOR APPLICATION NUMBER: US 60/204,039

PRIOR FILING DATE: 2000-06-27

PRIOR PILING DATE: 2000-06-27

PRIOR PILING DATE: 2000-06-12

NUMBER OF SEQ ID NOS: 30

SOFTWARE: Patentin version 3.1

SEQ ID NO 9

LENGTH: 283
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APPLICANT: BURROWS, FRANCIS J.
TITLE OF INVENTION: METHODS FOR TREATING GENETICALLY-DEFINED PROLIFERATIVE
TITLE OF INVENTION: DISORDERS WITH HSP90 INHIBITORS
FILE REFERENCE: CON-0010-USN
CURRENT APPLICATION NUMBER: US/10/469,469
CURRENT PILING DATE: 2003-08-27
PRIOR FILING DATE: 2003-08-27
PRIOR FILING DATE: 2002-03-01
PRIOR FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 330
SOFFWARE: PATENTIN UV. 2.1
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100.0%; Score 201; DB 3;
Best Local Similarity 100.0%; Pred. No. 1.8e-16;
Matches 34; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 120, Application US/10469469; Publication No. US20060079493A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 12, Application US/10115192; Publication No. US20030082175A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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US-10-115-192-12
                                                                                                         US-09-855-158-9
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Matches
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VES-09-854-864-9

Sequence 9, Application US/09854864

Sequence 9, Application US/09854864

Sequence 9, Application US/09854864

Sequence 9, Application US/09854864

SEQUENCE 0. USEQUENCE 1000

SEQUENCE 1. SET OF INVENTION: BLYS/ACP-3, AND TACI

TITLE OF INVENTION: BLYS/ACP-3, AND TACI

TITLE OF INVENTION: BLYS/ACP-3, AND TACI

FILE REFERRINCE: A-6868

CURRENT FILING DATE: 2001-09-11

PRIOR APPLICATION NUMBER: US 60/204,039

PRIOR APPLICATION NUMBER: US 60/214,591

PRIOR APPLICATION NUMBER: US 60/214,591

PRIOR FILING DATE: 2000-06-27

NUMBER OF SEQ ID NOS: 31

SEQ ID NO 9

LENGTH: 283

ELENGTH: 283

ELENGTH: 283
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TITLE OF INVENTION: USES OF AGONISTS AND ANTAGONISTS TO MODULATE ACTIVITY
TITLE OF INVENTION: OF TNF-RELATED MOLECULES
FILE REFERENCE: PAGOST:
CURRENT APPLICATION NUMBER: US/11/069,473
CURRENT FILING DATE: 2005-02-28
PRIOR FILING DATE: 2006-11-28
PRIOR FILING DATE: 2000-11-28
PRIOR FILING DATE: 2000-02-16
PRIOR FILING DATE: 2000-02-16
PRIOR FILING DATE: 2000-02-16
PRIOR FILING DATE: 2000-03-16
PRIOR FILING DATE: 2000-08-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 201; DB 3; Length 283; 100.0%; Pred. No. 1.8e-16;
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                                                                                                                                                        Sequence 4, Application US/11069473
Publication No. US20060073146A1
GRNERAL INFORMATION:
APPLICANT: AVI J. ASHKENAZI
APPLICANT: KELLY H. DODGE
APPLICANT: IQBAL GREWAL
APPLICANT: IQBAL GREWAL
APPLICANT: KUNG JIN KIM
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APPLICANT: ROBERT M. PITTI
APPLICANT: MINHONG YAN
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Best Local Similarity 100.
Matches 34; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
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Length 283;

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Indels

Length 288;

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GENERAL INCOMMATION:
GENERAL INCOMMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REPERENCE: A-686B
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PATCHTIN VETSION 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              46 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCLHACIPCQLRCSSNTPPLTCQRYC 99
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                                                                                  APPLICANT: Browning, Jeffrey
APPLICANT: Ambrose, Christine
APPLICANT: Tachopp, Jurg
APPLICANT: Tachopp, Jurg
APPLICANT: Tachopp, Jurg
APPLICANT: Schneider, Pascal
APPLICANT: Brogen, Inc.
APPLICANT: Brogen, Inc.
APPLICANT: Brogen, Inc.
APPLICANT: Apotech R&D S.A.
TITLE OF INVENTION: Immunoregulatory Agent
FILE OF INVENTION: Immunoregulatory Agent
FILE OF INVENTION: Immunoregulatory Agent
FILE OF INVENTION: 1000-02-15
CURRENT APPLICATION NUMBER: 601.19, 378
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 11, Application US/09854864
Patent No. US20020081296A1
Application US/10077137
No. US20020172674A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 67.7%;
Best Local Similarity 70.6%;
Matches 24; Conservative ;
                                                                      APPLICANT: MacKay, Fabienne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 63.0
Matches 34; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: homo sapien
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ORGANISM: Murine
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                                        APPLICANT: Biogen, Inc.
TITLE OF INVENTION: April Receptor (BCMA) and Uses Thereof
FILE REFERENCE: A083PCT
CURRENT APPLICATION WINBER: US/10/115,192
CURRENT FILING DATE: 2002-04-02
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-11
PRIOR FILING DATE: 1999-10
PRIOR FILING DATE: 1999-10
PRIOR FILING DATE: 1999-10-06
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 302;
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Pred. No. 1.9e-16;
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APPLICANT: Browning, Jeffrey
APPLICANT: Ambrose, Christine
APPLICANT: Tschopp, Jurg
APPLICANT: Schneider, Pascal
APPLICANT: Thompson, Jeffrey
APPLICANT: Biogen, Inc.
APPLICANT: Biogen, Inc.
APPLICANT: Biogen, Inc.
APPLICANT: Biogen, Inc.
APPLICANT: Apotech R&D S.A.
TITLE OF INVENTION: Enfimunoregulatory Agent
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CURRENT APPLICATION NUMBER: US/10/077,438
CURRENT FILING DATE: 2002-02-18
PRIOR PELING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR PILING DATE: 2000-02-11
PRIOR PELING DATE: 2000-02-11
PRIOR PELING DATE: 2000-02-18
PRIOR PILING DATE: 2000-02-18
PRIOR FILING DATE: 2000-02-18
PRIOR FILING DATE: AD00-02-18
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100.0%;
                    APPLICANT: Apotech R & D S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 34; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         34; Conservative
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CORGANISM: homo sapiens
US-10-115-192-12
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Best Local Similarity
Matches 34; Conserv
SENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 12
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RESULT 42

RESULT 40 US-10-077-137-3

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RESULT 45
US-09-854-864-10
i Sequence 10, Application US/09854864
i Sequence 10, Application US/09854864
i Retent No. US20020081296A1
i GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
i APPLICANT: THEILL, LARS EYDE
i TILLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TILLE OF INVENTION: METHODS AND TACI
FILE REFERENCE: A-6868
i CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
FRIOR PLICATION NUMBER: US 60/204,039
FRIOR PLILORATION NUMBER: US 60/204,039
FRIOR PLILORATION NUMBER: US 60/214,591
FRIOR PLILOR DATE: 2000-05-12
FRIOR PLILORATION NUMBER: US 60/214,591
FRIOR DATE: 2000-06-27
FRIOR APPLICATION NUMBER: US 60/214,591
FRIOR PLILORATION NUMBER: US 60/214,591
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Sequence 10, Application US/09855158

Publication No. US20020086018A1

GENERAL INFORMATION:

APPLICANT: THEIL, LARS EYDE

APPLICANT: THEIL, LARS EYDE

APPLICANT: THEIL, LARS EXDE

APPLICANT: THEORY WITHOUS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, BL)

TITLE OF INVENTION: 3, AND TACI

FILE REPREBENCE: A-666A

CURRENT APPLICATION NUMBER: US/09/855,158

CURRENT FILING DATE: 2001-09-11

PRIOR APPLICATION NUMBER: US 60/214,591

PRIOR APPLICATION NUMBER: US 60/204,039
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                  TITLE OF INVENTION: Enfelt, A Tumor Necrosis Factor ITLE OF INVENTION: Receptor FILE REFERENCE: 03-17 NUMBER: US/10/967,527A CURRENT FILING DATE: 2004-10-18 PRIOR PAPLICATION NUMBER: 60/511,698 PRIOR PAPLICATION NUMBER: 60/511,698 PRIOR FILING DATE: 2003-10-16 NUMBER OF SEQ ID NOS: 51 SOFTWARE: FastSEQ for Windows Version 4.0 LENGTH: 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
67.7%; Score 136; DB 5;
Best Local Similarity 70.6%; Pred. No. 1.1e-08;
Matches 24; Conservative 5; Mismatches 6
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Pred. No. 1.6e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5 CFHSEYFDSLLHACKPCHLRCSN--PPATCQPYC 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 67.7%;
Best Local Similarity 70.6%;
Matches 24; Conservative
               Sheppard, Paul O.
                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: mus musculus US-10-967-527A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-854-864-10
                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
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US-09-855-158-11
; Sequence 11, Application US/09855158
; Publication No. US20020086018A1
; GENERAL INFORMATION:
; APPLICANT: THEILL, LARS EYDE
; APPLICANT: THEILL, LARS EYDE
; TITLE OF INVENTION: A AND TACI
; TITLE OF INVENTION: A AND TACI
; TITLE OF INVENTION: B, AND TACI
; TITLE OF INVENTION: B, AND TACI
; FILE REFERENCE: A-686A
; CURRENT FILING DATE: 2001-09-11
; PRIOR APPLICATION NUMBER: US 60/214,591
; PRIOR APPLICATION NUMBER: US 60/214,591
; PRIOR PILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: US 60/204,039
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 185
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| Publication No. US20030148445A1
| Publication No. US20030148445A1
| GENERAL INFORMATION:
| APPLICANT: Shu, Hong-Bing
| TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES, PROTEINS, RECEPTORS AND
| TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES, PROTEINS, RECEPTORS AND
| TITLE OF INVENTION: METHODS OF USE THEREOF
| TURRENT TILING DATE: 2003-03-12
| CURRENT APPLICATION NUMBER: US/10/216,074
| CURRENT APPLICATION NUMBER: US/09/565,423
| PRIOR APPLICATION NUMBER: US/09/565,423
| PRIOR PRILING DATE: 2000-05-01
| PRIOR PLILING DATE: 2000-05-01
| PRIOR FILING DATE: 1999-05-06
| NUMBER OF SEQ ID NOS: 17
| SOFTWARE: Patentin Ver. 2.1
| SOFTWARE: Patentin Ver. 2.1
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Best Local Similarity 70.6%; Pred. No. 1.1e-08;
Matches 24; Conservative 2; Mismatches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 136; DB 3;
Pred. No. 1.1e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5 CFHSEYFDSLLHACKPCHLRCSN--PPATCQPYC 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        67.7%;
70.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Mus musculus
US-10-216-074-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Murine US-09-855-158-11
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US-10-967-527A-10
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US-10-216-074-17
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TYPE: PRT
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GENERAL INFORMATION

APPLICANT: THEILL, LARS EYDE
APPLICANT: YI, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, BLN
TITLE OF INVENTION: 3, AND TACI
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
RIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
RIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
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       Score 93.5; DB 3; Length 117;
Pred. No. 0.0011;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       35.6%; Score 71.5; DB 4; Length 249; 35.3%; Pred. No. 1.1;
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GENERAL INFORMATION:
APPLICANT: MOTIS, David W.
APPLICANT: MOTIS, David W.
APPLICANT: Engelhard, Eric K.
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: CANCER
FILE REPRENCE: 52945200012.
FULLS CURRENT APPLICATION NUMBER: US 09/747,377
PRIOR PRILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US 09/798,586
PRIOR FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: US 09/798,586
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 2059
SOFTWARE: FasteSEQ for Windows Version 4.0
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                                                                                                                                        2 SQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                       2 AQCEYFDSLLHAC-PC-LRCS----PPTCQ-YC 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 1647, Application US/10087192
; Publication No. US20020182586A1
                                                                                                                                                                                                                                                                                                                                  US-09-855-158-12
; Sequence 12, Application US/09855158
; Publication No. US20020086018A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: human-murine Consensus
US-09-855-158-12
       Query Match
Best Local Similarity 69.7%;
Matches 23; Conservative
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; ORGANISM: Mus musculus
US-10-087-192-1647
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Matches 12; Conserv
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Parent No. US2020081296A1

GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: THEILL, LARS EYDE
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT PAPLICATION NUMBER: US/09/854,864
CURRENT PAPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR PAPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31

SOFTWARE: PATENTIN VERSION 3.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 197, Application US/10145206
; Publication No. US20030195156A1
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION:
; TITLE OF INVENTION:
; FILE REPRENCE: A-743
; CURRENT APPLICATION NUMBER: US/10/145,206
; PRIOR FILING DATE: 2002-05-13
; CURRENT FILING DATE: 2002-05-13
; PRIOR FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 197
; SUCTION NOTES ADDITION NUMBER: US/10/105-11
; SEQ ID NO 197
                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                  Query Match 67.7%; Score 136; DB 3; Length 281; Best Local Similarity 70.6%; Pred. No. 1.6e-08; Matches 24; Conservative 2; Mismatches 6; Indels
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Pred. No. 7.5e-08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 CFHSEYFDSLLHACKPCHLRCSN--PPATCOPYC 36
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CSONEYFDSLLHACIPCOLRCSSNTPPLTCQRYC 34
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100.0%; Pred. No. ...
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; ORGANISM: human-murine Consensus
US-09-854-864-12
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 281
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Best Local Similarity 100.0
Matches 21; Conservative
                                                                                                                                                                                                ; ORGANISM: Mus musculus
US-09-855-158-10
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US-10-145-206-197
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                                                                                                                                                                           TYPE: PRT
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Publication No. US20030093824A1
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US-10-180-903-2
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US-10-967-527A-20
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US-09-779-050A-45
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                                                                                                                                                                                                                                                                                                                     SEQ ID NO 2
LENGTH: 1548
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LENGTH: 37
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Sequence 20, Application US/11200992
Publication No. US20060067933A1
GENERAL INFORMATION:
APPLICANT: Gross, Jane A.
APPLICANT: Xu, Wenfeng
APPLICANT: Wee, Waren
APPLICANT: See, David P.
TITLE OF INVENTION: SOLUBLE RECEPTOR BR43XZ AND METHODS OF USING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vuery match
Best Local Similarity 35.3%; Pred. No. 1.1;
Matches 12; Conservative 8; Mismatches 12; --3-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ch 35.6%; Score 71.5; DB 5; Length 249; 1 Similarity 35.3%; Pred. No. 1.1; 12; Conservative 8; Mismatches 13; Indels
                                                                        Sequence 21, Application US/10967527A

Publication No. US20050256041A1

GENERAL INPORMATION:

APPLICANT: For, Brian A.

APPLICANT: Sheppard, Paul O.

TITLE OF INVENTION: Receptor

FILE REFERENCE: 03-17

CURRENT APPLICATION NUMBER: US/10/967,527A

CURRENT FILING DATE: 2004-10-18

PRIOR FILING DATE: 2003-10-16

NUMBER OF SEQ ID NOS: 51

SOFTWARE: PastSEQ for Windows Version 4.0

SEQ ID NO 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ::|:| : | : | : | : | : | : | CPKDQYWDSSRKSCVSCALTCSQRS-QRTCTDFC 38
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CURRENT APPLICATION NUMBER: US/11/200,992
CURRENT FILING DATE: 2005-08-10
PRIOR APPLICATION NUMBER: 60/115,068
PRIOR FILING DATE: 1999-01-07
PRIOR FILING DATE: 1999-12-09
PRIOR FILING DATE: 1999-12-09
PRIOR FILING DATE: 1999-01-07
PRIOR FILING DATE: 2000-01-07
NUMBER OF SEQ ID NOS: 60
SEQ ID NO 20
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US-10-180-903-2
•; Sequence 2, Application US/10180903
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US-10-967-527A-21
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                                                              US-10-967-527A-21
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Best Local S
Matches 12
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Publication No. 9220202086018A1

Sequence 16, Application US/09855158

Publication No. 9220020086018A1

SEQUENCANT: MISCANATION:
APPLICANT: YU, GANG

TITLE OF INVENTION: A. 686A

TITLE OF INVENTION: A. 686A

CURRENT PAPLICATION NUMBER: US/09/855,158

CURRENT FILING DATE: 2001-09-11

PRIOR PILING DATE: 2000-06-27

PRIOR PLICATION NUMBER: US 60/214,591

PRIOR PILING DATE: 2000-06-12

PRIOR PLING DATE: 2000-06-12

NUMBER OF SEQ ID NOS: 30

SOGTWARE: Patentin version 3.1

SEQ ID NOS: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR PILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR PILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-12
SIGNED REPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-05-31
SOFTWARE: PATENTING VERSION 3.1
SUFFICIAL OF THE CASE OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                33.1%; Score 66.5; DB 3; Length 59; larity 32.4%; Pred. No. 1.1; Conservative 8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33.1%; Score 66.5; DB 3; Length 67; 32.4%; Pred. No. 1.3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-854-864-16
; Sequence 16, Application US/09854864
; Patent No. US20020081296A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11; Conservative
      ; SEQ ID NO 20
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-855-158-20
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TYPE: PRT
ORGANISM: Homo sapiens
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Matches 11, Conserv
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Matches 11; Conserv
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US-09-854-864-20

i Sequence 20, Application US/09854864

i Patent No. US20020081296A1

i GENERAL INFORMATION:

i APPLICANT: THEILL, LARS EVDE

i APPLICANT: THEILL, LARS EVDE

i APPLICANT: TU, GAG

i TITLE OF INVENTION: BLYS/AGP-3, AND TACI

i FILE REPERENCE: A-686B

i CURRENT APPLICATION NUMBER: US/09/854,864

i CURRENT FILING DATE: 2001-09-11

i PRIOR APPLICATION NUMBER: US 60/214,591

i PRIOR APPLICATION NUMBER: US 60/214,591

i PRIOR APPLICATION NUMBER: US 60/214,591

i PRIOR ELING DATE: 2000-06-27

i NUMBER OF SEQ ID NOS: 31

i SEQ ID NO 20

LENGTH: 59
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Sequence 20, Application US/09855158
Publication No. US20020086018A1
GENERAL INFORMATION:
APPLICANT: THEIL, LARS EXDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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33.1%; Score 66.5; DB 3;
Best Local Similarity 32.4%; Pred. No. 1.1;
Matches 11; Conservative 8; Mismatches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
33.1%; Score 66.5; DB 5;
Best Local Similarity 32.4%; Pred. No. 0.92;
Matches 11; Conservative 8; Mismatches 14;
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PRIOR FILING DATE: 2003-10-16
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 20
LENGTH: 48
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CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-12
                                                                                                                                                                                                                                                                          COTHER INFORMATION: Cysteine rich US-10-967-527A-20
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SOFTWARE: PatentIn version 3.1
                                                                                                                                                                  TYPE: PRT
ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-09-854-864-20
                                                                                                                                                                                                                                                                   NAME/KEY: DOMAIN
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APPLICANT: BUT SURTHIAN:
APPLICANT: BUT BUIDW, GGEZ
TITLE OF INVENTION: A LIMPHOCYTE SURFACE RECEPTOR THAT BINDS
TITLE OF INVENTION: A LIMPHOCYTE SURFACE RECEPTOR THAT BINDS
TITLE OF INVENTION: CAML AND METHODS OF USE THEREOF
FILE REFERENCE: 44158/254623
CURRENT FILLING DATE: 2005-03-14
PRIOR APPLICATION NUMBER: US/11/079,418
PRIOR APPLICATION NUMBER: US/10/293,816
PRIOR APPLICATION NUMBER: US 09/782,857
PRIOR APPLICATION NUMBER: US 09/782,857
PRIOR PILING DATE: 2001-02-14
PRIOR APPLICATION NUMBER: US 08/290,333
PRIOR FILING DATE: 1909-04-12
PRIOR APPLICATION NUMBER: US 08/810,572
PRIOR PRIOR DATE: 1997-03-03
NUMBER OF SECURE OF WINDOWS VERSION 4.0
                                            US-LU-129-1210-1293816

Sequence 6, Application US/10293816

Publication No. US20030082173A1

GENERAL INFORMATION:

APPLICANT: Von Bulow, Gotz

TITLE OF INVENTION: ALYMPHOCYTE SURFACE RECEPTOR THAT BINDS

TITLE OF INVENTION: ALYMPHOCYTE SURFACE RECEPTOR THAT BINDS

TITLE OF INVENTION: CAML AND METHODS OF USE THEREOF

FILE REFERENCE: 44158/254623

CURRENT APPLICATION NUMBER: US/10/293,816

CURRENT FILING DATE: 2001-02-14

PRIOR FILING DATE: 2001-02-14

PRIOR FILING DATE: 1999-04-12

PRIOR FILING DATE: 1999-04-12

PRIOR FILING DATE: 1999-04-12

PRIOR FILING DATE: 1997-03-03

NUMBER OF SEQ ID NOS: II

SOFTWARRE FARESQ for Windows Version 4.0

SSOFTWARRE FARESQ for Windows Version 4.0
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Pred. No. 3;
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Publication No. US20050183148A1
GENERAL INFORMATION:
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1 Similarity 32.4%;
11; Conservative 6
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, ORGANISM: Homo sapiens
US-11-079-418-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
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Best Local Similarity
Matches 11; Conserva
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                 RESULT 62
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Sequence 15, Application US/09855158

Sequence 15, Application US/09855158

Sublication No. USZ0020086018A1

GENERAL INFORMATION:
APPLICANT: THELL, LARS EVDE
APPLICANT: THELL, LARS EVDE
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, BL
TITLE OF INVENTION: MUMBER: US/09/855,158
TITLE OF INVENTION: UNMBER: US 60/214,591
FRIOR APPLICATION NUMBER: US 60/214,591
FRIOR APPLICATION NUMBER: US 60/204,039
FRIOR FILING DATE: 2000-06-27
FRIOR APPLICATION NUMBER: US 60/204,039
FRIOR FILING DATE: 2000-06-12

NUMBER OF SEQ ID NOS: 30

SEQ ID NOS: 30

SEQ ID NOS: 30

SEQ ID NOS: 30

SEQ ID NO 15
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                                                              1 CSQNEYFDSLLHACIPCOLRCSSNTPPLTCQRYC 34
                                                                                         ; Score 66.5; DB
; Pred. No. 3;
8; Mismatches
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Pred. No. 3;
8; Mismatches
Best Local Similarity 32.4%; Pred. No. 1.3; Matches 11; Conservative 8; Mismatches
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Best Local Similarity 32.4%;
Matches 11; Conservative
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Best Local Similarity 32.4%;
Matches 11; Conservative 8
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US-09-854-864-15
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JENEMAL INFORMALIOUS:

JENEMAL INFORMALIOUS:

APPLICANT: Dixit, Vishra

APPLICANT: Ridgwal, Iqbal

APPLICANT: Ridgwal, John

TITLE OF INVENTION: TACIS and BR3 Polypeptides and Uses Thereof

FILE REFERENCE: 1169.175USWO

CURRENT APPLICATION NUMBER: US/10/485,489

CURRENT FILING DATE: 2004-01-30

PRIOR APPLICATION NUMBER: US 60/310,114

PRIOR APPLICATION NUMBER: US 60/310,114

PRIOR APPLICATION NUMBER: US 60/377,171

PRIOR PLING DATE: 2001-08-03

PRIOR PLING DATE: 2001-08-03

PRIOR PLING DATE: 2001-04-30

NUMBER OF SEQ ID NOS: 19

SEQ ID NO 19

LENGTH: 265

TYPE: PRT

ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 265;
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APPLICANT: Andrew Chan
APPLICANT: Qian Gong
APPLICANT: Flavius Martin
IIILE OF INVENTION: COMBINATION THERAPY FOR B CELL DISORDERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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                                    SEREAL INCOMPANION PARTIN DOCKET PREVIEW
PALLID DOCKET PREVIEW
APPLICANT: CHUNTHARAPAI, ANAN
APPLICANT: GREWAL, 10BAL
APPLICANT: KTW, KYUNG JIN
APPLICANT: YAM, MINHONG
ITLE OF INVENTION: TACI Antibodies and Uses Thereof
FILE REFERENCE: P1942R1
CURRENT APPLICATION NUMBER: US/10/626,914
CURRENT FILING DATE: 2003-07-25
PRIOR APPLICATION NUMBER: US 60/398,530
NUMBER OF SEQ ID NOS: 17
SEQ ID NO 17
LENGTH: 265
TYPE: PRI
CREANISM: Homo sapien
US-10-626-914-17
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; Sequence 19, Application US/10485489; Publication No. US20050070689A1; GENERAL INFORMATION:
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  US20050043516A1
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Best Local Similarity
Matches 11; Conserva
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Best Local Similarity
Publication No. US2(GENERAL INFORMATION:
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APPLICANT: Gross, Jane A.
APPLICANT: Ku, Wenfeng
APPLICANT: Wadden, Karen
APPLICANT: Yee, David P.
TITLE OF INVENTION: SOLUBLE RECEPTOR BR43X2 AND METHODS OF USING
FILE REFERENCE: 05558,0034.0XUS01
CURRENT APPLICATION NUMBER: US/11/200,992
CURRENT FILING DATE: 1999-01-07
PRIOR APPLICATION NUMBER: 60/115,068
PRIOR APPLICATION NUMBER: 60/169,890
PRIOR FILING DATE: 1999-12-09
PRIOR FILING DATE: 1999-12-09
PRIOR FILING DATE: 2000-01-07
PRIOR FILING DATE: 2000-01-07
PRIOR FILING DATE: 2000-01-07
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ch 33.1%; Score 66.5; DB 5; Length 171; 1 Similarity 32.4%; Pred. No. 3.1; 11; Conservative 8; Mismatches 14; Indels
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            US-10-644-149-18

Sequence 18, Application US/10684149

Sequence 18, Application US/10684149

Publication No. US2050009149A1

GENERAL INFORMATION:

APPLICANT: West, James W.

APPLICANT: West, Cameron S.

APPLICANT: James W.

TITLE OF INVENTION: Production of Homotrimeric Fusion

TITLE OF INVENTION: Proteins

FILE REFERENCE: 02-17

CURRENT APPLICATION NUMBER: US/10/684,149

CURRENT APLICATION NUMBER: 60/417,801

PRIOR FILING DATE: 2002-10-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 6;
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 18
LENGTH: 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: TACI-HSBP fragment
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US-10-626-914-17
; Sequence 17, Application US/10626914
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 9, Application US/11200992; Publication No. US20060067933A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapiens
US-11-200-992-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
Matches 11; Conserv
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US-11-200-992-9
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LENGTH: 245
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TITLE OF INVENTION: USES OF AGONISTS AND ANTAGONISTS TO MODULATE ACTIVITY TITLE OF INVENTION: OF THE RELATED MOLECULES FILE REFERENCE: P1805R1
CURRENT APPLICATION NUMBER: US/11/069,473
CURRENT FILING DATE: 2005-02-28
PRIOR APPLICATION NUMBER: US/09/724,341
PRIOR PILING DATE: 2000-11-28
PRIOR PILING DATE: 2000-016
PRIOR FILING DATE: 2000-02-16
PRIOR FILING DATE: 2000-02-16
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 14
SEQ ID NOS: 14
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Sequence 19, Application US/10967527A

Publication No. US20050256041A1

GENERAL INFORMATION:

APPLICANT: FOX, Brian A.

APPLICANT: Holloway, James L.

APPLICANT: Sheppard, Paul O.

TITLE OF INVENTION: Receptor

TITLE OF INVENTION: Receptor

TITLE OF INVENTION: 201414, A Tumor Necrosis Factor

CURRENT APPLICATION NUMBER: US/10/967,527A

CURRENT FILING DATE: 2004-10-18

PRIOR FILING DATE: 2003-10-16

NUMBER OF SEQ ID NOS: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CSONEYFDSLLHACIPCOLRCSSNTPPLTCORYC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: BOYLE, WILLIAM
APPLICANT: BOYLE, WILLIAM
APPLICANT: HSU, HAILING
TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
FILE REFERENCE: A-570B
CURRENT APPLICATION NUMBER: US/09/779,050A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/181,800
PRIOR PALLING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 52
SOFTWARE: Patentin version 3.0
SEQ ID NO 43
LENGTH: 291
TYPE: PRT
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33.1%; Score 66.5; D
Best Local Similarity 32.4%; Pred. No. 4.7;
Matches 11; Conservative 8; Mismatches
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32.4%; Pred. No. 5.1;
ative 8; Mismatches
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nes 11; Conservative
                                                                                                                                                                                                                                                                                                                                                         , ORGANISM: Homo sapiens US-11-069-473-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
US-09-779-050A-43
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                                                                                                                                                                                                                                                                                                               LENGTH: 265
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| Publication No. US20050163775A1
| GENERAL INFORMATION:
| APPLICANT: Olan Gong
| APPLICANT: Qian Gong
| APPLICANT: Glan Gong
| APPLICANT: Plavius Martin
| TILLE OF INVENTION: COMBINATION THERAPY FOR B CELL DISORDERS
| FILE REFERENCE: P2040RLP1
| CURRENT APPLICATION NUMBER: US/11/021,874
| CURRENT APPLICATION NUMBER: US/861,049
| PRIOR FILING DATE: 2004-06-04
| PRIOR FILING DATE: 2004-06-05
| PRIOR FILING DATE: 2003-06-06
| PRIOR FILING DATE: 2003-06-05
| WINGHER OF SEQ ID NOS: 165
| LENGTH: 265
                                                                                                                                                                                                                                                                                                                                                                                 Query Match 33.1%; Score 66.5; DB 5; Length 265; Best Local Similarity 32.4%; Pred. No. 4.7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                8; Mismatches
                      CURRENT APPLICATION NUMBER: US/10/861,049
CURRENT FILING DATE: 2004-06-04
PRIOR PELING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-05
NUMBER OF SEQ ID NOS: 145
SEQ ID NO 36
TYPE: PRI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
33.1%
Best Local Similarity 32.4%
Matches 11, Conservative
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       FILE REFERENCE: P2040R1US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-021-874-36
                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
US-10-861-049-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-11-021-874-36
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APPLICANT: THEILL, LARS EYDE
APPLICANT: THEILL, LARS EYDE
APPLICANT: THEILL, LARS EYDE
APPLICANT: THEILL, LARS EYDE
APPLICANT: TO GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, BL)
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-06-12
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin version 3.1
SEQ ID NO 14
LENGTH: 293
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APPLICANT: Ruben et al.
FILLE REFERENCE: PF5.24P1
CURRENT APPLICATION: Human Tumor Necrosis Factor Receptor TR17
FILLE REFERENCE: PF5.24P1
CURRENT APPLICATION NUMBER: US/09/961,376
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: 60/254,874
PRIOR APPLICATION NUMBER: 60/254,874
PRIOR APPLICATION NUMBER: 60/235,991
PRIOR PLING DATE: 2000-09-26
PRIOR PRING DATE: 2000-09-26
PRIOR PLING DATE: 2000-03-24
PRIOR PLING DATE: 2000-03-10
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Best Local Similarity 32.4%; Pred. No. 5.1;
Matches 11; Conservative 8; Mismatches 14;
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Best Local Similarity 32.4%; Pred. No. 5.1;
Matches 11; Conservative 8; Mismatches
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
LENGTH: 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 14, Application US/09855158 Publication No. US20020086018A1
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Patent No. US20020106736A1
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
US-09-854-864-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
CORGANISM: Homo sapiens
US-09-855-158-14
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Patent No. US20020081296A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: THELL, LARS EYDE
APPLICANT: THELL, LARS EYDE
APPLICANT: THELL, LARS EXDE
APPLICANT: THE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, ECMA, TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 22, Application US/09879919
Patent No. US20020064829A1
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang, et al.
IITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
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H
                                                                                                                                                                                  Length 292;
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                                                                                                                                                                               33.1%; Score 66.5; D 32.4%; Pred. No. 5.1;
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33.1%; Score 66.5; Di
Best Local Similarity 32.4%; Pred. No. 5.1;
Matches 11; Conservative 8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/879,919
CURRENT PILIGE DATE: 2001-06-14
CURRENT PILIGE DATE: 2001-06-14
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR PILING DATE: 2001-03-23
PRIOR PILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR PILING DATE: 2001-03-16
PRIOR PILING DATE: 2001-03-16
PRIOR PILING DATE: 2000-10-13
PRIOR PILING DATE: 2000-10-13
PRIOR PILING DATE: 2000-10-23
PRIOR PILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/211,537
PRIOR APPLICATION NUMBER: 60/211,537
PRIOR PILING DATE: 1997-03-12
PRIOR PILING DATE: 1997-03-12
PRIOR PILING DATE: 1996-03-14
SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 19 LENGTH: 292
                                                                                                                                                          Query Match
Best Local Similarity 32.4*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Ver. 2.1
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                                                                           ; TYPE: PRT
; ORGANISM: homo sapiens
US-10-967-527A-19
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US-09-879-919-22
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LENGTH: 293
TYPE: PRT
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SEQ ID NO 2
LENGTH: 293
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                                                                 Score 66.5; DB 3;
Pred. No. 5.1;
8; Mismatches 14;
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Patent No. US20020160416A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TILLE OF INVENTION:
FILE REFERENCE: A-570B
CURRENT APPLICATION: RECEPTOR FROM TNF FAMILY
FILE REFERENCE: A-570B
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 66/181,800
PRIOR APPLICATION NUMBER: 66/181,800
PRIOR PLING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn version 3.0
SEQ ID NO 42
LENGTH: 293
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Pred. No. 5.1;
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32.4%;
                                                                Query Match 33.1%;
Best Local Similarity 32.4%;
Matches 11; Conservative
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Best Local Similarity 32.4'
Matches 11, Conservative
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Best Local Similarity 32.4<sup>§</sup>
Matches 11, Conservative
           TYPE: PRT
ORGANISM: Homo sapiens
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US-09-779-050A-42
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ORGANISM: Human
US-09-302-863-2
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US-09-779-050A-42
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                                      US-09-961-376-2
LENGTH: 293
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RESULT

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APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Neutrokine-alpha Binding Proteins and Methods Based Thereon
FILE REFERENCE: PFS24PCT
CURRENT APPLICATION NUMBER: US/10/084,971
CURRENT FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/533,822
                                                                    APPLICANT: Goodwin, Raymond G
APPLICANT: Goodwin, Raymond G
APPLICANT: Din, Wanwan S.
TITLE OF INVENTION: METHODS OF USE OF THE TACI/TACI-L INTERACTION
FILE REFERENCE: 2519
CURRENT APPLICATION NUMBER: US/09/855,564
CURRENT FILING DATE: 2001-05-14
PRIOR PELING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5
SOUTWARE: PATENTIN Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      33.1%; Score 66.5; DB 3; Length 293; 32.4%; Pred. No. 5.1;
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Publication No. US20020182586A1

GENERAL INFORMATION:
APPLICANT: Mortis, David W.
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: OWNER: US/10/087,192
CURRENT FILING DATE: 2002-03-07
PRIOR PEPLICATION NUMBER: US 99/747,377
PRIOR FILING DATE: 2000-12-22
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 2059
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 1650

LENGTH: 293
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Sequence 2, Application US/0985564
; Publication No. US20030165986A1
; GENERAL INFORMATION:
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ORGANISM: Homo sapiens
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Query Match 33.1%;
Best Local Similarity 32.4%;
Matches 11; Conservative
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US-10-008-063-8
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Publication No. US20030059862A1
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Antibodies Against Tumor Necrosis Factor Delta (APRIL)
FILE REFERENCE: PF554
CURRENT APPLICATION NUMBER: US/10/151,882
CURRENT FILING DATE: 2002-05-22
PRIOR PILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 48
SOFTWARE: PatentIn version 3.0
SEQ ID NO 46
LENGTH: 293
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    DATE: 2000-03-24
APPLICATION NUMBER: 60/126,599
                                              DATE: 1999-03-26
APPLICATION NUMBER: 60/188,208
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Pred. No. 5.1;
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TITLE OF INVENTION: Antibodies That Bind Both BCMA and TACI
FILE REPRENCE: 01-04
CURRENT APPLICATION NUMBER: US/10/068,725
CURRENT PILING DATE: 2002-02-06
PRIOR APPLICATION NUMBER: 60/270,274
PRIOR FILING DATE: 2001-02-20
PRIOR FILING DATE: 2001-04-12
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PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: BARLIER APPLICATION NUMBE
PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER
PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-10
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIN Ver. 2.1
SEQ ID NO 2
LENGTH: 293
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Best Local Similarity 32.4%; Pred. No. 5.1;
Matches 11; Conservative 8; Mismatches
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SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4, Application US/10068725; Publication No. US20030012783A1; GENERAL INFORMATION:
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illarity 32.4%;
Conservative
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US-10-151-882-46
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US-10-068-725-4
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US-10-084-971-2
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Best Local Similarity
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LENGTH: 293
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ORGANISM:
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APPLICANT: Bram, Richard J.
APPLICANT: Bram, Richard J.
APPLICANT: Won Bulow, Gotz
TITLE OF INVENTION:
TITLE OF INVENTION:
ALYMPHOCYTE SURFACE RECEPTOR THAT BINDS
TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/293,816
CURRENT PILING DATE: 2002-11-12
PRIOR APPLICATION NUMBER: US 09/782,857
PRIOR PELING DATE: 2001-02-14
PRIOR FILING DATE: 1999-04-12
PRIOR FILING DATE: 1999-04-12
PRIOR FILING DATE: 1997-03-03
PRIOR FILING DATE: 1997-03-03
SOFTWARE: FARENCE OF SEQ ID NOS: 11
SOFTWARE: FARENCE FARENCE OF WINDOWS Version 4.0
  DB 4; Length 293;
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Pred. No. 5.1;
8; Mismatches 14; Indels
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Publication No. US20030092164A1

GENERAL INFORMATION:

APPLICANT: Gross, Jane A.

APPLICANT: Henne, Randal M.

APPLICANT: Grant, Francis, J.

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor; FILE REFERENCE: 00-103

CURRENT APPLICATION UNMBER: US/10/008,063

CURRENT FILING DATE: 2001-11-05

NUMBER OF SEQ ID NOS: 46

SEQ ID NO 8.

SEQ ID NO 8.
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Score 66.5; Dl
Pred. No. 5.1;
8; Mismatches
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Best Local Similarity 32.4%;
Matches 11; Conservative 8
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Best Local Similarity 32.4
Matches 11; Conservative
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ORGANISM: Homo sapiens
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CORGANISM: Homo sapiens
US-10-008-063-8
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Sequence 22, Application US/10268951

Sequence 22, Application US/10268951

Sequence 22, Application US/1026841

SEQUENCE 22, Application US/1026841

SEQUENCE INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
FILE REFERENCE: PF253P2

CURRENT APPLICATION NUMBER: US/10/268,951

CURRENT FILING DATE: 2002-10-11

PRIOR FILING DATE: 2001-0614

PRIOR FILING DATE: 2001-0614

PRIOR FILING DATE: 1997-0318

PRIOR FILING DATE: 1997-0318

PRIOR PRILING DATE: 1997-0318

PRIOR FILING DATE: 1997-0318

PRIOR PILING DATE: 2001-06-12

PRIOR FILING DATE: 2001-06-25

PRIOR FILING DATE: 2001-03-16

PRIOR PRILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

PRIOR PRILING DATE: 2000-03-16

PRIOR PRILING DATE: 2000-03-16

PRIOR PRILING D
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33.1%; Score 66.5; DB 4; Length 293;
Best Local Similarity 32.4%; Pred. No. 5.1;
Matches 11; Conservative 8; Mismatches 14; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 33.1%; Score 66.5; DB 4; Length 293; Best Local Similarity 32.4%; Pred. No. 5.1; Matches 11; Conservative 8; Mismatches 14; Indels 1
                                                        Sequence 2, Application US/10152363A

Publication No. US20030103986A1

GENERAL INCRMATION.

APPLICANT: Rixon, Mark W.

APPLICANT: Gross, Jane A.

TILE OF INVENTION: TACL:Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20

CURRENT APPLICATION NUMBER: US/10/152,363A

CURRENT FILING DATE: 2002-05-20

PRIOR FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 70

SOFTWARE: PSELSEQ for Windows Version 3.0

SEQ ID NO 2

LENGTH: 293
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ORGANISM: Homo sapiens
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CORGANISM: Homo sapiens
US-10-268-951-22
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Sequence 4, Application US/10618797
; Sequence 4, Application US/10618797
; Publication No. US20040048296A1
; Fublication No. US20040048296A1
; GENERAL INFORMATION:
   APPLICANT: Ruben, Steven M
   TITLE OF INVENTION: Human Tumor Necrosis Factor TR20 and Methods Based Thereon
   FILE REFERENCE: FF527D1
; CURRENT APPLICATION NUMBER: US/10/618,797
; CURRENT FILING DATE: 2003-07-15
; FRIOR APPLICATION NUMBER: 60/202,193
; PRIOR FILING DATE: 2000-05-05
; NUMBER OF SEQ ID NOS: 4
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
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                                                                                                                                                                                                                                          APPLICANT: Ambrose, Christine
APPLICANT: Thompson, Jeffrey
APPLICANT: Schneider, Pascal
APPLICANT: Schneider, Pascal
APPLICANT: Schneider, Paul
TITLE OF INVENTION: Taci As As Anti-Tumor Agent
FILE REFERENCE: BIOGO130 NP of PCT/USO1/40626
CURRENT APPLICATION NUMBER: US/10/258,368
CURRENT FILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: USSN 60/199,946
PRIOR FILING DATE: 2000-04-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 33.1%; Score 66.5; DB 4;
Best Local Similarity 32.4%; Pred. No. 5.1;
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1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                             34 CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
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33.1%; Score 66.5; Di
Best Local Similarity 32.4%; Pred. No. 5.1;
Matches 11; Conservative 8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8; Mismatches
                                                                                                                                                                  Sequence 1, Application US/10258368; Publication No. US20040013674A1; GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 293
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ORGANISM: Homo sapiens
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US-10-618-797-4
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US-10-618-797-4
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APPLICANT: Dixil, Vishva
APPLICANT: Grewal, Iqbal
APPLICANT: Ridgway, John
APPLICANT: Yan, Minhong
TITLE OF INVENTION: TACIS and BR3 Polypeptides and Uses Thereof
FILE REPRENCE: 11669.175USWO
CURRENT APPLICATION NUMBER: US/10/485,489
CURRENT FILING DATE: 2004-01-30
PRIOR APPLICATION NUMBER: PCT/USO2/23487
PRIOR PILING DATE: 2002-07-24
PRIOR PILING DATE: 2001-08-03
PRIOR PILING DATE: 2001-08-03
PRIOR PILING DATE: 2001-08-03
PRIOR FILING DATE: 2002-04-30
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                      33.1%; Score 66.5; DB 5; Length 293; 32.4%; Pred. No. 5.1;
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APPLICANT: KIM, KYUNG JIN
APPLICANT: KIM, KYUNG JIN
APPLICANT: YAN, MINHONG
TITLE OF INVENTION: TACI Antibodies and Uses Thereof
FILE REFERENCE: P1942R1
CURRENT APPLICATION NUMBER: US/10/626,914
CURRENT APPLICATION NUMBER: US 60/398,530
PRIOR PILING DATE: 2002-07-25
PRIOR FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 17
LENGTH: 293
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32.4%; Pred. No. 5.1;
live 8; Mismatches 14;
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CURRENT FILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: 60/417,801
PRIOR FILING DATE: 2002-10-11
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FASUSEQ for Windows Version 3.0
SEQ ID NO 4
LENGTH: 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 3, Application US/10626914 Publication No. US20050043516A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 3, Application US/10485489; Publication No. US20050070689A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patin Docket Preview
APPLICANT: CHUNTHARAPAI, ANAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 32.4*
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ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                    ; TYPE: PRT
; ORGANISM: Human
US-10-684-149-4
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                                                                                                                                          APPLICANT: Galperina, Olga
APPLICANT: Hibert, David
APPLICANT: Hibert, David
APPLICANT: Hibert, David
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: Neutrokine-alpha Conjugate, Neutrokine-alpha Complex, and Uses TH
FILE REFERENCE: 1488-1810002
CURRENT PAPLICATION NUMBER: US/10/742,634
CURRENT FILING DATE: 2003-12-22
PRIOR APPLICATION NUMBER: US 60/435,262
PRIOR APPLICATION NUMBER: US 60/467,198
PRIOR PILING DATE: 2003-05-02
PRIOR FILING DATE: 2003-05-02
PRIOR FILING DATE: 2003-05-02
SOFTWARE: PATENTING DATE: 2003-05-02
ONDER OF SEQ ID NOS: 17
SOFTWARE: PATENTIN Version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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Publication No. US20040208874A1
GENERAL INFORMATION:
APPLICANT: Khare, Sanjay D.
TITLE OF INVENTION: COMBINATION THERAPY WITH CO-STIMULATORY FACTORS
FILE REPRESENCE: 06843.0052-00000
CURRENT APPLICATION NUMBER: US,10/748,112
CURRENT APPLICATION NUMBER: US,60/437,405
PRIOR APPLICATION NUMBER: US,60/437,405
PRIOR FILING DATE: 2002-12-30
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Patentin version 3.2
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Publication No. US2005009149A1
GENERAL INFORMATION:
APPLICANT: West, James W.
APPLICANT: Brandt, Cameron S.
APPLICANT: Jaspers, Stephen R.
TITLE OF INVENTION: Production of Homotrimeric Fusion
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34 CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
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Best Local Similarity 32.4%; Pred. No. 5.1;
Matches 11; Conservative 8; Mismatches
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CURRENT APPLICATION NUMBER: US/10/684,149
       Publication No. US20040208824A1
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Best Local Similarity 32.4%;
Matches 11; Conservative
                                                                       APPLICANT: Parmelee, David
APPLICANT: Yeh, Ren-Hwa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
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CORGANISM: Homo sapiens
US-10-748-112-27
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US-11-021-874-25

Sequence 25, Application US/11021874

Publication No. US20050163775A1

GENERAL INFORMATION:

APPLICANT: Andrew Chan

APPLICANT: Gian Gong

TITLE OF INVENTION: COMBINATION THERAPY FOR B CELL DISORDERS

FILE REFERENCE: P2040R1P1

CURRENT APPLICATION NUMBER: US/11/021,874

CURRENT APPLICATION NUMBER: US 60/476

PRIOR FILING DATE: 2004-06-04

PRIOR FILING DATE: 2003-06-06

PRIOR FILING DATE: 2003-06-06

PRIOR PILING DATE: 2003-06-05

PRIOR PILING DATE: 2003-06-05

PRIOR PILING DATE: 2003-06-05

PRIOR FILING DATE: 2003-06-05

NUMBER OF SEQ ID NOS: 165
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publication No. US20050183148A1

GENERAL INFORMATION:

APPLICANT: Bram. Richard J.

APPLICANT: Bram. Richard J.

TITLE OF INVENTION: CAML. AND METHODS OF USE THEREOF

TITLE OF INVENTION: CAML. AND METHODS OF USE THEREOF

FILE REPERENCE: 44158/224623

CURRENT APPLICATION NUMBER: US/11/079,418

CURRENT APPLICATION NUMBER: US/0293,816

PRIOR APPLICATION NUMBER: US 09/782,857

PRIOR FILING DATE: 2002-11-12

PRIOR FILING DATE: 2001-02-14

PRIOR APPLICATION NUMBER: US 09/290,333

PRIOR APPLICATION NUMBER: US 08/810,572

PRIOR APPLICATION NUMBER: US 08/810,572

PRIOR FILING DATE: 1999-04-12

PRIOR FILING DATE: 1999-03-03

NUMBER OF SEQ ID NOS: 11

SEQ ID NO 2

LENGTH: 293
  Match 33.1%; Score 66.5; DB 5; Length 293; Local Similarity 32.4%; Pred. No. 5.1; tes 11; Conservative 8; Mismatches 14; Indels
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33.1%; Score 66.5; DB 6;
Best Local Similarity 32.4%; Pred. No. 5.1;
Matches 11; Conservative 8; Mismatches 14;
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ORGANISM: Homo sapiens
US-11-021-874-25
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LENGTH: 293
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APPLICANT: Galperina, Olda
APPLICANT: Galperina, Olda
APPLICANT: Galperina, Olda
APPLICANT: Rober, David
APPLICANT: Rober, Craig A.

TITLE OF INVENTION: Neutrokine-alpha Conjugate, Neutrokine-alpha Complex, and Uses Th
FILE REFERENCE: 1488.1810002
CURRENT APPLICATION NUMBER: US 100/10/742,634
CURRENT FILING DATE: 2003-12-22
PRIOR APPLICATION NUMBER: US 60/435,262
PRIOR APPLICATION NUMBER: US 60/467,198
PRIOR FILING DATE: 2003-05-02
NUMBER OF SEQ ID NOS: 17
SEQ ID NO 7
LENGTH: 293
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APPLICANT: Andrew Condition:
APPLICANT: Andrew Condition:
APPLICANT: Andrew Condition:
APPLICANT: Olan Gong
APPLICANT: Dian Gong
CURRENT: Flavius Martin
FILE REFERENCE: P2040RIUS
CURRENT APPLICATION NUMBER: US/10/861,049
CURRENT FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-05
NUMBER OF SEQ ID NOS: 145
SEQ ID NOS: 145
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Publication No. US20050095243A1
GENERAL INFORMATION:
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Publication No. US20050249671A9
GENERAL INFORMATION:
APPLICANT: Parmelee, David
APPLICANT: Yeh, Ren-Hwa
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Best Local Similarity 32.4%;
Matches 11; Conservative
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ORGANISM: Homo sapiens
TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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 Length 293;
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Sequence 2, Application US/11242294

Publication No. US20060034852A1

GENERAL INFORMATION.

APPLICANT: Gross, Jane A.

TITLE OF INVENTION: TACL IMMUNOGLObulin Fusion Proteins
FILE REFRENCE: 01-20

CURRENT APPLICATION NUMBER: US/11/242,294

CURRENT FILING DATE: 2005-10-03

PRIOR FILING DATE: 2005-10-03

PRIOR FILING DATE: 2005-06-20

PRIOR FILING DATE: 2005-06-20

PRIOR FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 70

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                                  Indels
Score 66.5; DB 6;
Pred. No. 5.1;
8; Mismatches 14;
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Query Match 33.1%;
Best Local Similarity 32.4%;
Matches 11; Conservative 8
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TYPE: PRT
ORGANISM: Homo sapiens
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LENGTH: 293
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20.4 123 2 T07886 20.4 126 2 S77781 20.4 134 2 T22275 20.4 146 2 D64445 20.4 152 2 A32669 20.4 153 2 AE1883 20.4 159 2 T10921 20.4 159 2 T10921	190 2 197 2 198 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20.4 223 2 20.4 232 2 20.4 232 2 2 20.4 235 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20.4 265 2 20.4 267 2 20.4 266 2 2 20.4 268 2 20.4 268 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20.4 273 2 20.4 277 2 20.4 282 2 20.4 295 2	20.4 297 2 20.4 301 2 20.4 302 2	20.4 308 2 20.4 313 2 20.4 315 2	20.4 315 2 20.4 324 2 20.4 335 2	20.4 335 2 20.4 358 2 20.4 368 1	20.4 365 2 20.4 371 2 20.4 375 2 20.4 378 2	20.4 382 2 20.4 407 2 20.4 420 2	20.4 440 2 20.4 442 2 20.4 458 2	20.4 476 1 20.4 483 2 20.4 484 2	20.4 485 2 20.4 485 2 20.4 487 2	20.4 495 2 20.4 495 2 20.4 509 2	20.4 513 2	20.4 520 2 20.4 540 2 20.4 581 2	20.4 589 2 20.4 618 2	20.4 621 2 20.4 623 2 20.4 641 2	20.4 641 2 20.4 644 2

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662 2 T23271 6714 2 S56208 717 2 AJ5912 718 2 S56208 717 2 AJ5912 729 2 AJ5913 729 2 AJ5913 729 2 AJ5913 729 2 AJ5913 729 2 AJ5918 729 2 AJ5918 720 2 AJ5918 720 2 AJ5918 720 2 AJ5918 721 2 AJ5918 722 2 AJ5918 723 2 AJ5918 723 2 AJ5918 724 2 AJ5918 725 2 AJ5918 726 2 AJ5918 727 2 AJ5918 7	00000000000000000
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A;Accession: T16840
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DDP
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A;Residues: 1-1101 <GEI>
A;Cxoss-references: UNIPROT:Q22378; UNIPARC:UPI000017BB8F; EMBL:U39644; NID:g1049339; PII
                                                                                                                                                                                                                                                                A,Status: preliminary
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A,Cross-references: UNIPROT: Q04592; UNIPARC: UPI000016CF9E; GB:D17583; NID:g407344; PIDN:E
C,Keywords: hydrolase; serine proteinase
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                                                                                                       C,Accession: S34583
R;Nakagawa, T.; Murakami, K.; Nakayama, K.
FBES Lett. 327, 165-171, 1993
A;Title: Identification of an isoform with an extremely large Cys-rich region of PC6, A;Reference number: S34583; MUID:93327934; PMID:835106
A;Accession: S34583
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C;Species: Mus musculus (house mouse)
C;Daccession: T4215
R;Gao, Z.; Garbers, D.L.
J. Blol. Chem. 273, 3415-3421, 1998
A;Fills: Species diversity in the structure of zonadhesin, a sperm-specific A;Reference number: Z22080; MUID:98123114; PMID:9452463
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C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
C;Accession: T16840
                           serine proteinase (EC 3.4.21.-) PC6B - mouse
C;Species: Mus musculus (house mouse)
C;Date: 02-Dec-1993 #sequence_revision 10-Nov-1995 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Description: functions in multiple cell adhesion processes A; Note: found exclusively on the apical region of the sperm head C; Keywords: cell adhesion
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submitted to the EMBL Data Library, October 1995
A;Description: The sequence of C. elegans cosmid T10E10.
A;Reference number: 218588
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A;Molecule type: mRNA
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35.1%;
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A;Map position: 5
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C;Species: Homo sapiens (man)
C;Date: 27-Jan-1995 #sequence revision 27-Jan-1995 #text_change 09-Jul-2004
C;Date: 27-Jan-1995 #sequence revision 27-Jan-1995 #text_change 09-Jul-2004
C;Accession: 843486; S31208; S354661
R;Laabi, Y; Gras, M.P.; Brouet, J.C.; Berger, R.; Larsen, C.J.; Tsapis, A.
Nucleic Acids Res. 22, 1147-1154, 1994
A;Title: The BCMA gene, preferentially expressed during B lymphoid maturation, is bidire
A;Reference number: 843486; MUID:94218235; PMID:8165126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary
A;Status: preliminary
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Cross-references: UNIPROT:Q02223; UNIPARC:UPI0000034D1B; EMBL:Z29574; NID:g471244; PIC
R;Laabi, Y.; Gras, M.P.; Carbonnel, F.; Brouet, J.C.; Berger, R.; Larsen, C.J.; Tsapis,
BMBO J. 11, 3897-3904, 1992
A;Title: A new gene, BCM, on chromosome 16 is fused to the interleukin 2 gene by a t(4;1)
A;Reference number: S31208; MUID:93010984; PMID:1396583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Molecule type: mRNA
A;Residues: 1-184 <LA2>
A;Cross-references: UNIPARC:UPI0000034D1B; EMBL:Z14954; NID:g29407; PIDN:CAA78679.1;
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Pred. No. 2.9e-17;
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A;Introns: 44/1; 93/1
C;Superfamily: human B-cell maturation factor
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T00378
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MMHUB1
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Marches 34, Conservative
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A;Molecule type: mRNA
A;Residues: 4-184 <LA3>
     A; Accession: S36661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Gene: GDB: BCMA
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zonadhesin, a sperm-specific membrane prot

Gaps

5,

14; Indels

Length 1548;

5

DB

7

Gaps

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16; Indels

5; Mismatches Score 64.5; | Pred. No. 16;

RESULT

Length 5376;

DB 2;

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C;Species: Ascaris lumbricoides (common roundorm)
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 24-Jul-1997
C;Accession: S07127
R;Babin, D.R.; Peanask, R.J.; Goos, S.M.
Arch. Biochem. Biophys. 232, 143.161, 1984
A;Title: The isoinhibitors of chymotrypsin/elastase from Ascaris lumbricoides: the priman A;Reference number: S07127; MUID:84255715; PMID:6564898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'Roebroek, A.J.; Creemers, J.W.; Pauli, I.G.; Kurzik-Dumke, U.; Rentrop, M.; Gateff, E.F. Balol. Chem. 267, 17208-17215. 1992
Balol. Chem. 267, 17208-17215. 1992
Title: Cloning and functional expression of Dfurin2, a subtilisin-like proprotein proce, Reference number: A43434; MUID:92381036; PMID:1512259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ,Molecule type: mRNÅ
Stasidues: 1-1680 <ROE>
;Gross-references: UNIPROT:P30432; UNIPARC:UPI000016BC03; GB:M94375; NID:g157461; PID:g1
;Note: sequence extracted from NCBI backbone (NCBIN:111933, NCBIP:111934)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MyContains: protein-tyrosine kinase (EC 2.7.1.112)

G/Species: Schistosoma mansoni
G/Species: Schistosoma mansoni gene encoding a homologue of epi
A/Reference number: A45588; MUID:92365727; PMID:1501637
A/Rocession: A45588
A/Status: preliminary
A/Molecule type: mRNA
A/Residues: 1-1717
A/Residues:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               furin (EC 3.4.21.75) 2 - fruit fly (Drosophila melanogaster)
C;Species: Drosophila melanogaster
C;Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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Pred. No. 41;
5; Mismatches 17; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 63;
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C,Keywords: hydrolase, serine proteinaever transmembrane protein
F;409-652/Domain: subtilisin homology <BE>
F;418,457,638/Active site: Asp, His, Ser #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CGPNEVWTE - - - - CTGCEMKCGPDENTPCPLMCRR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 57.5; DE Fred. No. 2.5; 5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A, Cross-references: UNIPARC:UPI000012D146 C, Superfamily: roundworm trypsin inhibitor
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28.6%;
Best Local Similarity 37.1%;
Matches 13; Conservative
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ilarity 34.3%;
Conservative
                                            chymotrypsin/elastase inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: protein A; Residues: 1-63 < BAB>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                         A;Status: preliminary
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N,Alternate names: paired basic amino acid cleaving enzyme; proprotein convertase; serin
C;Species: Spodoptera frugiperda (fall armyworm)
C;Date: 11-Jan-2000 #sequence_revision 11-Jan-2000 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;Cieplik, M.; Klenk, H.
Submitted to the EMBL Data Library, January 1996
A;Description: Cloning and functional characterization of FURIN from Spodoptera frugiper
A;Reference number: Z22368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               딥
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A, Experimental source: strain Bristol N2
C, Genetics:
A, Gene: CESP:T10E10.4
A, Introns: 93/2; 152/2; 191/3; 209/2; 283/3; 303/1; 399/3; 421/1; 440/1; 465/1; 547/3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Cross-references: UNIPROT:Q9GYRS; UNIPARC:UP1000017925B; EMBL:U39851; NID:g1055062;
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A,Residues: 1-1299 <CIE>
A,Cross-references: UNIPROT:Q26489; UNIPARC:UPI0000083055; EMBL:Z68888; NID:g1167859;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pothetical protein C23G10.8 - Caenorhabditis elegans
Species: Caenorhabditis elegans
Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 31-Dec-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                        Query Match 30.3%; Score 61; DB 2; Length 1101; Best Local Similarity 37.5%; Pred. No. 11; Matches 12; Conservative 7; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 2; Length 1299;
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A;Introns: 47/3; 237/3; 293/2; 405/3; 487/1; 577/3; 694/3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Description: The sequence of C. elegans cosmid C23G10.
A;Reference number: Z18372
A;Accession: T15577
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Status: preliminary; translated from GB/EMBL/DDBJ
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Pred. No. 14;
6; Mismatches
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R;Latreille, P. submitted to the EMBL Data Library, November 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 58; DB 2; Pred. No. 29; 5; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity 42.9%; 9; Conservative
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Best Local Similarity 37.1%;
Matches 13; Conservative
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Best Local Similarity
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A; Residues: 1-758 <LAT>
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A,Cross-references: UNIPROT:018118; UNIPARC:UPI000006118C; EMBL:Z81129; PIDN:CAB03405.1; A;Experimental source: clone T23F1 C;Genetics: A,Genetics: A,Genetics: A,Genetics: A,Genetics: A,Genetics: A,Genetics: C.Genetics: C.Genetics: A,Genetics: A,Genetics: CESP:T23F1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Cross-references: UNIPROT:017970; UNIPARC:UP10000076B6D; EMBL:Z81573; PIDN:CAB04625.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C.Species: Caenorhabditis elegans
C.Sacesian: T23691
R.Matthews, L.
submitted to the EMBL Data Library, November 1996
A.Recreace number: Z19781
A.Recreace number: Z19781
A.Sacessian: T23681
A.Sacessian: T23681
A.Sactus: preliminary; translated from GB/EMBL/DDBJ
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C;Species: Mus musculus (house mouse)
C;Decies: Mus musculus (house mouse)
C;Decies: 22-Oct-1999 #sequence_revision 22-Oct-1999 #text_change 09-Jul-2004
C;Accession: T30197
R;Legan, P.K.; Rau, A.; Keene, J.N.; Richardson, G.P.
                                                                                                                                                                                                                     hypothetical protein T23F1.6 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Accession: T25169
R;Wilkinson, J:
submitted to the EMBL Data Library, October 1996
A;Reference number: Z19990
A;Reference number: Z19990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Introns: 23/3; 71/3; 121/3; 183/1; 1083/3; 1141/3; 1408/1; 1449/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1513;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 330;
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     Indels
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59 CASSQOYQLQTSQCMPACQQSCSQQCQSNTNTQCQPTCQQSC 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CSQNEYFDSLLHACIP----CQLRCSSNTPPL---TCQRYC 34
  10;
                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-330 <WIL>
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44.8%; Pred. No. 75;
tive 3; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.4%; Scor. 20, 20, 28.6%; Pred. No. 20, 7; Mismatches
                                                                                                     540 CARN-IDDRLFYHCSPCNFTLDLRCVLNPPP 569
                                                     27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8 DSLLHAC-IPCQLRC-SSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Experimental source: clone M02G9
                                                     1 CSONEYFDSLLHACIPC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 28.0
Local Similarity 28.0
Local Similarity 28.0
Local Similarity
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Best Local Similarity 44.8
Matches 13; Conservative
     13; Conservative
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C;Superfamily: gliadin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Gene: CESP: M02G9.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Residues:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C, Genetics
     Matches
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A;Cross-references: UNIPROT:Q28983; UNIPARC:UPI000013C373; EMBL:U40024; NID:g1066465; PI
A;Experimental source: strain Meishan; testis
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R, Johnson, A.F.; de la Bastide, M.; Lodhi, M.; Hoffman, J.; Hasegawa, A.; Gnoj, L.; Gott Wartienssen, R.; McCombie, W.
submitted to the EMBL Data Library, May 1997
A, Description: The sequence of the Arabidopsis thaliana T10M13 BAC.
                                                                     C.Superfamily: fluke epidermal growth factor receptor homolog 1; protein kinase homology C; Reywords: alternative splicing; ATP; autophosphorylation; glycoprotein; phosphoprotein F;1-19/Domain: signal sequence #status predicted <SIG> F;20-1717/Product: epidermal growth factor receptor homolog 1 #status predicted <MAT> F;1018-1323/Domain: protein kinase homology <KIN> F;1026-1034/Region: protein kinase ATP-binding motif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Status: translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-989 <-JOHA
A;Residues: 1-989 <-JOHA
A;Cross-references: UNIPROT: Q9ZU00; UNIPARC: UPI00000A0B3D; EMBL: AF001308; NID: g2104523;
A;Experimental source: cultivar Columbia
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C;Species: Sus scrofa domestica (domestic pig)
C;Date: 02-Sep-2000 #sequence_revision 02-Sep-2000 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hypothetical protein T10M13.17.1 - Arabidopsis thaliana
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 19-Feb-1999 #sequence_revision 19-Feb-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                     28.4%; Score 57; DB 1; Length 1717; 40.9%; Pred. No. 48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 2476;
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                                                                                                                                                                                                                                                                                                             Indels
A;Note: sequence extracted from NCBI backbone (NCBIP:111129)
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | | : : | : : | : | | | CSAHSUYTSCVPSCLPSCQDPEGQCTGAGAPSTCEEGC 1888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CSQNEYFDSLLHACIP-CQ---LRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 56; DB 2;
Pred. No. 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Status: preliminary; translated from GB/EMBL/DDBJ
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                                                                                                                                                                                                                                                                                                          2; Mismatches
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Pred. No. 45;
                                                                                                                                                                                                                                                                                                                                                                                                             646 CPRNTYIDPQTRHCLPCNESCS 667
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Best Local Similarity 31.6%;
Matches 12; Conservative 8
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Best Local Similarity 40.30
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Best Local Similarity
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A; Introns: 31/3
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A;Cross-references: UNIPARC:UP10000073918; GB:L29149; NID:g457257; PIDN:AAA20912.1; PID:ç
C;Genetics:
                                                                                                                                          C;Superfamily: myosin motor domain homology; protein kinase C zinc-binding repeat homolog C;Superfamily: myosin motor domain homology #status atypical <MMO>
F;149-941/Domain: myosin motor domain homology #status atypical <MMO>
F;239-246/Region: nucleotide-binding motif A (P-loop)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cibate: 13.-dan-1995; #sequence_revision 13.-Jan-1995 #text_change 05-Oct-2004
Cibacession: 846625; 856993
Cibacession: 846625; 856993
Cibacession: 846625; 856993
Ajtitle: The sequence of a 36 kb segment on the left arm of yeast chromosome X identifies ase gene ACO1 and two homologues to chromosome III genes.
A)Reference number: 846621; MUID:95274326; PMID:7754713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A, Residues: 1-758 <PUR>
A, Residues: 1-758 <PUR>
A, Cross-references: UNIPROT: P39529; UNIPARC: UPI000013B60A; EMBL: X77688; NID: g1183992; PII
R; Purnelle, B.; Coster, F.; Goffeau, A.
submitted to the Protein Sequence Database, September 1995
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R;Nakayama, M.; Nakajima, D.; Nagase, T.; Nomura, N.; Seki, N.; Ohara, O.
Genomics S1, 27-34, 1998
A;Tille: Identification of high-molecular-weight proteins with multiple EGF-like motifs 1
A;Reference number: Z14126; MUID:98360089; PMID:9693030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cross-references: UNIPARC:UP10000113B60A; EMBL:Z49481; NID:g1015584; PIDN:CAA89502.1; P1
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A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-1574 <NRA>
A;Cross-references: UNIPROT:O88281; UNIPARC:UPI0000043BEE; EMBL:AB011532; NID:g3449293;
A;Experimental source: strain Sprague-Dawley; brain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Map position: 10L
C;Keywords: DNA binding; nucleus; transcription regulation; transmembrane protein; zinc
F;42-78/Domain: GAL4 zinc binuclear cluster homology <GAL4>
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C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                finger protein VJL206c - yeast (Saccharomyces cerevisiae)
N;Alternate names: probable membrane protein YJL206c; protein J0316
C;Species: Saccharomyces cerevisiae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   758;
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Pred. No. 1.3e+02;
2; Mismatches 6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Status: nucleic acid sequence not shown A;Molecule type: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1852 PCLLRCPDNSDPLTSMK 1868
                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 52.9%;
Matches 9; Conservative
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illarity 50.0%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                   16 PCQLRCSSNTPPLTCQR
                                                                                     OMIM: 602129
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Best Local Similarity
Matches 11; Conserv
                                                                                                                       A; Map position: 19p13.1
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                                                                                     A; Gene: GDB: MYO9B;
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A;Molecule type: mRNA
A;Molecule type: mRNA
A;Residues: 1-202 < wIR>
A;Residues: 1-202 < wIR>
A;Cross-references: UNIPROT:014788; UNIPARC:UPI0000161189; GB:U42391; NID:g1147782; PIDN
B;Bement, W.M.; Hasson, T.; Wirth, J.A.; Cheney, R.E.; Mooseker, M.S.
Proc. Natl. Acad. Sci. U.S.A. 91, 6549-6553, 1994
A;Title: Identification and overlapping expression of multiple unconventional myosin gen
A;Reference number: A55758; MUID:94294418; PMID:8022818
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                                                                                                        A,Accession: T30197
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Molecule type: mRNA
A;Residues: 1-2155 <-LEG>
A;Cross-references: UNIPROT:008523; UNIPARC:UPI000002793C; EMBL:X99805; NID:g1915908; A;Experimental source: strain CDI; whole cochleae
A;Note: non-collagenous protein only expressed in the inner ear, by cells both in and
                                               A,Title: The mouse tectorins. Modular matrix proteins of the inner ear homologous to A,Reference number: Z20771; MUID:97236843; PMID:9079715
A,Accession: T30197
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A;Title: A novel type of myosin implicated in signalling by rho family GTPases. A;Reference number: S54307; MUID:95188874; PMID:7882973
A;Accession: S54307
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C;Species: Homo sapiens (man)
C;Dacte: 19-May-2000 #sequence revision 19-May-2000 #text_change 31-Dec-2004
C;Accession: A59256; I61700
R;Wirth, J.A.; Jensen, K.A.; Post, P.L.; Bement, W.M.; Mooseker, M.S.
J. Cell Sci. 109, 653-661, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Species: Rattus norvegicus (Norway rat)
.Date: 15-Jul-1995 #sequence_revision 01-Sep-1995 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                    27.1%; Score 54.5; DB 2; 29.4%; Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CPPNSHYESCVSVCQP---RCAAIRLKSDCNHYC 1402
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Pred. No. 1.2e+02;
2; Mismatches 6,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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                                                                                                                                                                                                                                                                                                                                                                                                                   6; Mismatches
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PCLLRCPDNSDPLTSMK 1828
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llarity 52.9%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  myosin heavy chain - rat
C;Species: Rattus norvegic
C;Date: 15-Jul-1995 #seque
C;Accession: 854307
R;Reinhard, J; Scheel, A.
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A;Residues: 234-322 <RES>
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Matches 10; Conserv
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nes 9; Conserv
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hypothetical protein At2gl6770 (imported) - Arabidopsis thaliana C'Species: Arabidopsis thaliana (mouse-ear cress)
C'Species: Arabidopsis thaliana (mouse-ear cress)
C'Species: O2-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
C'Accession A84544
E.Lin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.; N. M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, L.; euss, D.; Nierman, W.C.; White, O.; Elsen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J. Nature 402, 761-768, 1999
A;Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Molecule type: DNA
A;Residues: 1-255 <STO>
A;Cross-references: UNIPROT:Q9SLE1; UNIPARC:UP100000A1869; GB:AE002093; NID:g4581120; PII
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A;Abdecule type: DNA
A;Residues: 1-294 <WIL>
A;Cross-references: UNIPROT:Q9XUSO; UNIPARC:UPI0000076A8F; EMBL:Z81573; PIDN:CAB04626.1;
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C;Species: Caenorhabditis elegans
C;Species: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 29-Oct-1999
C;Accession: T34318
S;Nhan, M. submitted to the EMBL Data Library, November 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hypothetical protein M02G9.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Bate: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T23682
R;Matthews, L
submitted to the EMBL Data Library, November 1996
A;Reference number: Z19781
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 25.9%; Score 52; DB 2; Length 255; Best Local Similarity 38.9%; Pred. No. 38; Matches 14; Conservative 2; Mismatches 14; Indels
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                                                                        72 CNRNSYCSRWFYCCLTLSSFCSLRC---VPPL 100
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                              1 CSONEYFDSLLHACIP----CQLRCSSNTPPL
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A;Introns: 20/3; 76/2; 182/3; 223/3
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A; Status: preliminary
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A;Gene: CESP:M02G9.3
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A;Gene: At2g16770
A;Map position: 2
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A;Cross-references: UNIPROT:P90891; UNIPARC:UPI000017BA22; EMBL:Z81091; PIDN:CAB03143.1;
A;Experimental source: clone F55H12
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A,Introns: 87/1; 98/1; 126/2; 201/3; 343/3; 406/1; 576/3; 656/1; 825/3; 869/1; 909/1; 96
7/1; 1755/2; 1800/1; 1850/3; 1896/1; 2003/3; 2035/3; 2082/3; 2119/1; 2144/1; 2200/2; 227
F;243-279/Domain: LDL receptor ligand-binding repeat homology <LDL>
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A;Residues: 1-118 <POH>
A;Cross-references: UNIPROT:Q12307; UNIPARC:UPI00006A6BC; EMBL:Z67750; NID:g1061256; PI
R;Pohl, T.M.
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A;Residues: 1-118 <POW>
A;Cross-references: UNIPARC:UP100006A6BC; EMBL:Z74210; NID:g1431255; PIDN:CAA98735.1;
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N;Alternate names: hypothetical protein D1510
C;Species: Saccharomyces cerevisiae
C;Date: 15-Feb-1996 #sequence_revision 01-Mar-1996 #text_change 09-Jul-2004
C;Accession: S61051; S67714
                                                                                                                                                                                                                                                                                                                                                                                                     hypothetical protein F55H12.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct.1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T22759
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                                                                                 Length 1574;
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                                                                                                                                                                                                                                        966 CSAGAPCDAVTGSCI-CPAGRWGPRCAQSCPPLTFGLNCSQIC 1007
                                                                              Score 53; DB 2; Length 157
Pred. No. 1.4e+02;
6; Mismatches 13; Indels
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C;Superfamily: Saccharomyces hypothetical protein YDL162c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     R,Dobson, R. submitted to the EMBL Data Library, October 1996 A.Reference number: 219610 A;Accession: T2759 A;Status: preliminary; translated from GB/EMBL/DDBJA;Molecule type: DNA
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submitted to the EMBL Data Library, November 1995
A,Reference number: S61010
A,Accession: S61051
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26.1%; Score 52.5; DE
Best Local Similarity 34.4%; Pred. No. 17;
Matches 11; Conservative 4; Mismatches
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                                                                                    Query Match
Best Local Similarity 32.6%;
Matches 14; Conservative 6
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ses 13; Conserv
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C;Genetics:
A;Gene: MEGF6
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C,Accession: S57816, A2316
R;de Bolle, M.F.C.; Eggermont, K.; Duncan, R.E.; Osborn, R.W.; Terras, F.R.G.; Broekaert, Plant Mol. Biol. 28, 713-721, 1995
A;Title: Cloning and characterization of two cDNA clones encoding seed-specific antimicro A;Reference number: S57815; MUID:95375234; PMID:7647302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Cross-references: UNIPROT: P25404; UNIPARC: UP1000002D6AF; EMBL: U15539; NID: 9558864; PIDP R;Cammue, B.P.; De Bolle, M.F.; Terras, F.R.; Proost, P.; Van Damme, J.; Rees, S.B.; Vanc J. Biol. Chem. 267, 2228-2233, 1992
A;Title: Isolation and characterization of a novel class of plant antimicrobial peptides A;Reference number: A42316; MUID: 92129292; PMID: 1733929
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C;Speciges: Mus musculus (house mouse)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
C;Accession: 148763; 835753
R;Della, NG; Senior, PV.; Bowtell, D.D.
Boevelopment 117, 1333-1343, 1993
A;Title: Isolation and characterisation of murine homologues of the Drosophila seven in & A;Reference number: 148763; MUID:94008536; PMID:8404535
A;Accession: 148763
A;Status: preliminary; translated from GB/EMBL/DDBJ
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C;Superfamily: Drosophila developmental protein sina; RING finger homology
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                                           <BPI8><BPI9>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antimicrobial peptide 2 precursor - garden four-o'clock
C;Species: Mirabilis jalapa (garden four-o'clock)
C;Date: 28-Oct-1995 #sequence_revision 03-Nov-1995 #text_change 09-Jul-2004
                                                                                                                          <BP10>
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   F;1787-1839/Domain: animal Kunitz-type proteinase inhibitor homology F;1845-1895/Domain: animal Kunitz-type proteinase inhibitor homology F;1952-2004/Domain: animal Kunitz-type proteinase inhibitor homology F;1952-2152/Domain: animal Kunitz-type proteinase inhibitor homology F;2097-2152/Domain: animal Kunitz-type proteinase inhibitor homology
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                                                                                                                                                                                             Score 52; DB 2; Length 2844; Pred. No. 3e+02;
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A;Cross-references: UNIPARC:UPI0000034E9D
A;Note: sequence extracted from NCBI backbone (NCBIP:78217)
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Pred. No. 13;
                                                                                                                                                                                                                                                                                                                                                                                       1936 YFDGNMHGCCPTKAFTCSLSPSPGKTC 1962
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41.9%; Pred. No. 47
                                                                                                                                                                                                                                                                                                                                               6 YFDSLLHACIPCQ-LRCS-SNTPPLTC 30
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                                                                                                                                                                                             Query Match 25.9%;
Best Local Similarity 44.4%;
Matches 12; Conservative
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ilarity 38.5%;
Conservative
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nes 10; Conserv
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A; Residues: 1-282 < RES>
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A;Molecule type: mRNA
A;Residues: 1-63 <DEB>
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F; 2555/1; 2720/1; 2739/3; 2819/1
F; 250-274/Domain: animal Kunitz-type proteinase inhibitor homology «BPI1>
F; 343-395/Domain: animal Kunitz-type proteinase inhibitor homology «BPI2>
F; 442-492/Domain: animal Kunitz-type proteinase inhibitor homology «BPI3>
F; 545-598/Domain: animal Kunitz-type proteinase inhibitor homology «BPI3>
F; 545-598/Domain: animal Kunitz-type proteinase inhibitor homology «BPI5>
F; 654-706/Domain: animal Kunitz-type proteinase inhibitor homology «BPI5>
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A;Note: see websites genome.wustl.edu/9sc/C_elegan and www_sanger.ac.uk/Projects/C_elegan A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and
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                                                                                                                                          Amolecule type: DNA
A;Residues: 1-547 <NHA>
A;Cressicues: 1-547 <NHA>
A;Cressicues: 1-547 <NHA>
C;Genetics: A;Genetics: A;Gene
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C;Species: Caenorhabditis elegans
C;Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
C;Accession: D88550
R;anonymous, The C. elegans Sequencing Consortium.
Science 282, 2012-2018, 1998
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Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 09-Jul-2004
Accession: S28291
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A;Residues: 1-2844 <THO>
A;Cross-references: UNIPROT:Q03610; UNIPARC:UP1000017BCE9; EMBL:Z19157
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Pred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                   25.9%; Score 52; DB 2; Length 547; 40.0%; Pred. No. 73;
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       cosmid K03A1
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                                                                       Accession: T34318
Status: preliminary; translated from GB/EMBL/DDBJ
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   elegans
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A; Description: The sequence of C. A; Reference number: Z21505
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Accession: S28291
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A; Residues: 1-1474 <STO>
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Best Local Similarity
Matches 12; Conserv
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nes 8; Conserv
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A.Residues: 1-507 cW12>
A.Residues: 1-507 cW12>
A.Cross-references: UNIPARC:UPI000086677; EMBL:Z81110; PIDN:CAB03262.1; GSPDB:GN00023; (
A.Experimental source: clone T01D3
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A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-977 < WIL>
A;Cross-references: UNIPROT:002364; UNIPARC:UPI0000086677; EMBL:Z81527; PIDN:CAB04279.1;
A;Experimental source: clone F35512
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C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Accession: T19275; T21723
R;Harris, B. Submitted to the EMBL Data Library, September 1994
A;Reference number: Z19099
A;Reference number: Z19099
A;Accession: T19275
A;Actus: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-999 <WIL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hypothetical protein T01D3.6 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T21772; T24296
S;Steward, C.
submitted to the EMBL Data Library, November 1996
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A;Introns: 38/2; 87/3; 128/2; 242/2; 374/3; 416/3; 734/3; 842/3; 857/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13;
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Pred. No. 1.3e+02;
3; Mismatches 19; Indels 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 25.6%; Score 51.5; DB 2; Length 915; Best Local Similarity 25.5%; Pred. No. 1.3e+02; Matches 12; Conservative 3; Mismatches 19; Indels 1.
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submitted to the EMBL Data Library, October 1996
A;Reference number: Z19870
A;Accession: T24237
A;Status: preliminary; translated from GB/EMBL/DDBJ
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A,Molecule type: DNA
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submitted to the EMBL Data Library, October 1996
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Best Local Similarity 25.5%;
Matches 12; Conservative
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A;Accession: T24296
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                                                                                                                                                                           C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 09-Jul-2004
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 09-Jul-2004
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 09-Jul-2004
R;Della, N.G.; Senior, P.V.; Bowtell, D.D.
Development 117, 1333-1343, 1993
A;Title: 1solation and characterisation of murine homologues of the Drosophila seven in A;Reference number: 148763; MUID:94008536; PMID:8404535
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A.Status: preliminary; translated from GB/EMBL/DDBJ
A.Accule type: DNA
A.Residues: 1-915 <WIL>
A.Cross-references: UNIPROT:002364; UNIPARC:UPI000002ALC9; EMBL:Z81527; PIDN:CAB04280.1,
A.Experimental source: clone F35E12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Cross-references: UNIPROT:Q23460; UNIPARC:UPI000007F2F3; EMBL:Z70757; PIDN:CAA94805.1;
A;Experimental source: clone ZK287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Residues: 1.282 <RES>
A;Cross-references: UNIPROT:Q06985; UNIPARC:UPI000002451E; EMBL:Z19580; NID:g297801;
C;Superfamily: Drosophila developmental protein sina; RING finger homology
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C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T21773; T24297
R;Steward, C.
Babmitted to the EMBL Data Library, November 1996
A;Reference number: Z19470
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C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T27827
R;McMurray, A.
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A;Molecule type: mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 25.6%; Score 51.5; DB Best Local Similarity 41.9%; Pred. No. 47; Matches 13; Conservative 3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            45 FDYVLPPILQCQSGHLVCSNCRPKLTCCPTC 75
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A;Reference number: Z20425
A;Accession: T27827
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A;Introns: 20/1; 44/2; 99/3; 339/3; 443/2
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Best Local Similarity
Matches 10; Conserv
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Chin, C.W.; Chung, M.K.; Conn, L.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000
A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.; C.A.; Li, J.H.; Li, Y.; Liu, S.X.; Liu, S.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I ker, M.; U.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A;Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A;Reference number: A86141; MUID:21016719; PMID:11130712
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A;Cross-references: UNIPROT:Q9S9J8; UNIPARC:UPI00000AACE7; GB:AE005173; NID:g4646199; PII
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C;Genetics:
A;Gene: F12X22.14
A;Mpp position: 1
C;Superfamily: Arabidopsis thaliana probable transcription factor F12K22.14; RING finger
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hypothetical protein T23K8.9 [imported] - Arabidopsis thaliana
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hypothetical protein At2g21840 [imported] - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress) C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004 C;Accession: G84605
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                                                                                                                                                           Query Match 25.4%; Score 51; DB 2; Length 641; Best Local Similarity 45.8%; Pred. No. 1.1e+02; Matches 11; Conservative 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25.4%; Score 51; DB 2; Length 653; 42.3%; Pred. No. 1.1e+02; tive 2; Mismatches 9; Indels
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Pred. No. 1.2e+02;
5; Mismatches 10; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28
                                                                                                                                                                                                                                                                                                      15 IPCO----LRCSSNTPP---LTC 30
                                                                                                                                                                                                                                                                                                                                                                  7 LPCDGDGVCMRCKSNPPPEESLTC 30
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Best Local Similarity 28.6
Matches 6; Conservative
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A, Status: preliminary
A, Molecule type: DNA
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A; Map position: 2
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Cross-references: UNIPROT:Q17969; UNIPARC:UPI0000079A41; EMBL:Z37139; PIDN:CAA85494.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Map position: 3
A;Introns: 20/3; 40/3; 72/1; 234/3; 387/3; 457/1; 523/2; 541/3; 682/1; 784/2; 822/2; 87d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Molecule type: nRNA
A;Residues: 1-2120 <COU>
A;Cross-references: UNIPROT: O9YH85; UNIPARC: UPI00000FD14C; EMBL: AJ012287; NID: e1361091;
A;Note: non-collagenous protein only expressed in the inner ear
                                                                                                                                                                                                                                                                                               A;Cross-references: UNIPARC:UPI0000079A41; EMBL:Z34799; PIDN:CAA84320.1; GSPDB:GN00021; A;Experimental source: clone F34D10 C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    alpha tectorin - chicken
C;Species: Gallus gallus (chicken)
C;Date: 02-89p-2000 #sequence_revision 02-Sep-2000 #text_change 09-Jul-2004
C;Accession: T30-2000 #sequence_revision 02-Sep-2000 #text_change 09-Jul-2004
B;Coutinho, P.; Goodyear, R.G.; Legan, P.K.; Richardson, G.P.
Hear. Res. 130, 62-74, 1999
A;Title: Chick alpha tectorin: molecular cloning and expression during embryogenesis.
A;Reference number: Z20783; MUID:99251817; PMID:10320099
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Mismatches 13; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 25.6%; Score 51.5; DB 2; Best Local Similarity 48.3%; Pred. No. 1.4e+02; Matches 14; Conservative 0; Mismatches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 51.5; DB 2;
Pred. No. 2.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CSQNEYFDSLLHACIP-CQLRCSSNTPPLTCQRYC 34
                                                            R.Kershaw, J. to the EMBL Data Library, June 1994 bubmitted to the EMBL Data Library, June 1994 A; Reference number: 219464 A; Accession: T21723 A; Status: preliminary; translated from GB/EMBL/DDBJ A; Molecule type: DNA A; Residues: 1-999 <WIZ>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  516 YEDSLLKTCIGRAFERVKKMTPPLRIQSY 544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 YFDSLLHACIPCQL-RCSSNTPPLTCQRY 33
   A;Cross-references: UNIPROT:Q17969
A;Experimental source: clone C14B1
R;Kershaw, J.
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1 Similarity 31.4%;
11; Conservative (
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Best Local Similarity
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A; Residues: 1-641 <STO>
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RiGenschik, P.; Parmentier, Y.; Criqui, M.C.; Fleck, J.

Nucleic Acids Res. 18, 4007, 1990
A,Fitle: Sequence of a ubiquitin carboxyl extension protein of Nicotiana tabacum.
A,Reference number: $10332, MUID:90326543; PMID:2165257
A,Accession: $10332
A,Molecule type: DNA
A,Residues: 1-74 <GEN>
A,Residues: 1-74 <GEN>
A,Residues: 1-74 CGEN>
A,Coss-references: UNIPROT:P19379; UNIPARC:UPI000017715C; EMBL:X53011
C;Superfamily: ubiquitin/Tibosomal protein CEP52; ribosome; protein CEP52 homology; ubiqu:C;Keywords: DNA binding; protein biosynthesis; ribosome; protein Cipserfamily in (fragment) #status predicted <UBI>
F;1-2/Product: ubiquitin (fragment) #status predicted <UBI>
F;3-74/Product: ribosomal protein CEP52 homology <CPH>
F;3-74/Pomain: ribosomal protein CEP52 homology <CPH>
F;2-61/Region: ainc finger CCCC motif
F;68-74/Region: nuclear location signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hypothetical protein ORF23 - Lymantria dispar nuclear polyhedrosis virus C; Species: Lymantria dispar nuclear polyhedrosis virus, LdMNPV C; Date: 29-0ct-1999 #sequence_revision 29-0ct-1999 #text_change 09-Jul-2004 C; Accession: T30370 R; Kuzio, J.; Pearson, M.N.; Harwood, S.H.; Punk, C.J.; Evans, J.T.; Slavicek, J.M.; Rohrn Virology 253, 17-34, 1999 A; Title: Sequence and analysis of the genome of a baculovirus pathogenic for Lymantria di A; Reference number: Z20836; MUID:99124785; PMID:9887315
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C;Date: 31-Mar-2000 #sequence_revision 31-Mar-2000 #text_change 09-Jul-2004
C;Accesian: C81272
R;Parkhill, J.; Wren, B.W.; Mungall, K.; Ketley, J.M.; Churcher, C.; Basham, D.; Chilling
C.W.; Quail, M.; Rajandream, M.A.; Rutherford, K.M.; VanVliet, A.; Whitehead, S.; Barrell
Nature 403, 665-668, 2000
A;Fitle: The genome sequence of the food-borne pathogen Campylobacter jejuni reveals hype
A;Reference number: A81250; MUID:20150912; PMID:10688204
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A;Experimental source: serotype O2, strain NCTC 11168
C;Genetics:
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Pred. No. 92;
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50.0%; Pred. No. 85;
tive 1; Mismatches 9; Indels
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A;Molecule type: DNA
A;Residues: 1-342 <KUZ>
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Pred. No. 23;
2; Mismatches
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52.6%;
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Best Local Similarity 44.4%;
Matches 8; Conservative
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les 10; Conserv
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CiSpecies: Ascaris lumbricoides (common roundworm)
CjDate: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 31-Oct-1997
CjAccession: 808572
R;Babin, D.R.; Peanasky, R.J.; Goos, S.M.
Arch. Biochem. Blochem. Blophys. 232, 143-161, 1984
A;Title: The isoinhibitors of chymotrypsin/elastase from Ascaris lumbricoides: the prima
A;Reference number: 807127; MUID:84255715; PMID:6564898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cab-binding protein alpha chain - bovine
Cispecies: Bos primigenius taurus (cattle)
Cispecies: Bos primigenius taurus (cattle)
Cispecies: Bos primigenius taurus (cattle)
Cispecies: Dosp-1999 #text_change 09-Jul-2004
Cispecesion: 146001, 843190
Rihillarp, A.; Thern, A.; Dahlback, B.
Jimunnol. 153, 4190-4199, 1994
A;Title: Bovine C4b binding protein. Molecular cloning of the alpha- and beta-chains
A;Reference number: 146001; MUID:95015909; PMID:7930621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1;
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N;Alternate names: ubiquitin fusion protein
C;Species: Nicotiana tabacum (common tobacco)
C;Date: 31-Dec-1990 #sequence_revision 31-Dec-1990 #text_change 09-Jul-2004
C;Accession: S10332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 25.1%; Score 50.5; DB 1; Length 610; Best Local Similarity 32.4%; Pred. No. 1.2e+02; Matches 12; Conservative 5; Mismatches 9; Indels 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 63;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        259 YQQSIVYACNKGFRLEGDSLIHCEADNSWNPPPPTCE 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -- IPCQLRCSSNTPPLTCQ 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Status: preliminary; translated from GB/EMBL/DDBJ
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A,Residues: 1-63 48AB>
A,Croser-references: UNIPARC:UPI0000176391
C,Superfamily: roundworm trypsin inhibitor
                                                                                  CKETVVYDRFYYLCVECDLKC 287
                                             1 CSQNEYFDSLLHACIPCQLRC 21
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Indels

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Mismatches

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Conservative

10;

Matches

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A; Molecule type: DNA
A; Residues: 1-13 <KEM>
A; Residues: 1-13 <KEM>
A; Cross-references: UNIPARC: UPI0000155CFB
A; Seckinger, P.; Vey, E.; Turcatti, G.; Wingfield, P.; Dayer, J.M.

Bur. J. Immunol. 20, 1167-1174, 1990
A; Title: Tumor necrosis factor inhibitor: purification, NH-2-terminal amino acid sequence
A; Reference number: A60231; MUID: 90292116; PMID: 2113477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A,Molecule type: protein
A,Residues: 41-43,'X',45-53,'X',55-57 <SEC>
A,Cross-references: UNIPARC:UP10000072FDs
A,Granaga, T.; Hwang, C.; Kohr, W.; Cappuccini, F.; Lucci III, J.A.; Jeffes, E.W.B.; Ler
Proc. Natl. Acad. Sci. U.S.A. 87, 8781-8784, 1990
A,Title: Purification and characterization of an inhibitor (soluble tumor necrosis factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Experimental source: cancer patient serum colsson, I.; Lantz, M.; Nilsson, E.; Peetre, C.; Thysell, H.; Grubb, A.; Adolf, G. Lust. J. Haematol. 42, 270-275, 1989.
This is solation and characterization of a tumor necrosis factor binding protein from the reference number: A60594; MUID:89171156; PMID:2924890
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iosci. Biotechnol. Biochem. 58, 2266-2268, 1994
.Title: Amino acid sequence of natural tumor necrosis factor alpha inhibitor purified fi
.Reference number: JC2404; MUID:95128033; PMID:7765720
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A;Introns: 13/3; 65/1; 10811; 158/1; 184/2; 209/1; 247/1; 256/3; 353/1
C;Superfamily: tumor necrosis factor receptor type 1 (TNFR1); NGF receptor repeat homolog
C;Keywords: duplication; glycoprotein; receptor; transmembrane protein
F;1-21/Domain: signal sequence #status predicted <SIG>
F;22-455/Product: tumor necrosis factor receptor 1 #status predicted <MAT>
                                                                              A,Title: Cloning and partial characterization of the promoter for the human p55 tumor nec
A,Reference number: JT0758; MUID:94085779; PMID:8262379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Comment: This protein is one of two known receptors for both TNF-alpha (cachectin) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    proteins purified from human urine. Evidence PMID:2153136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (tumor necrosis factor alpha inhibitor) #status
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F;41-201/Product: TNF binding protein 1 (tumor necrosis factor alpha inhibi
F;44-82/Domain: NGF receptor repeat homology <NG2>
F;84-126/Domain: NGF receptor repeat homology <NG3>
F;127-167/Domain: NGF receptor repeat homology <NG3>
F;188-196/Domain: NGF receptor repeat homology <NG3>
F;188-196/Domain: NGF receptor repeat homology <NG3>
F;212-234/Domain: transmembrane #status predicted <MEM>
F;215-455/Domain: intracellular #status predicted <INT>
F;54,145,151/Binding site: carbohydrate (Asn) (covalent) #status predicted
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;Residues: 41-53,'X',55-144,'X',146-150,'X',152-186,'X',188-201 <KAJ>;Cross-references: UNIPARC:UPI00001736E4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Reference number: A38258; MUID: 91062364; PMID: 2174164
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Residues: 41-43,'X',45-53,'V',55-57,'XK',60 <OLS>;Cross-references: UNIPARC:UP100001736E2
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A; Title: Two turn necrosis factor-binding proteins A; Reference number: A35010; MUID:90110215; PMID:215
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Residues: 41-45 <ENG>
;Cross-references: UNIPARC:UP100001736E3
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A;Residues: 41-60 <GAT>
A;Cross-references: UNIPARC:UPI00001736E1
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O.; Wallach, I
209-216, 1993
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A,Molecule type: DNA
A,Residues: 1-455 <PUC>
A,Cross-references: UNIPROT:P19438; UNIPARC:UPI000002CE11; GB:M75864; GB:M75865; GB:M758
F,Loetscher, H.; Pan, Y.C.E.; Lahm, H.W.; Gentz, R.; Brockhaus, M.; Tabuchi, H.; Lesslau
Cell 61, 351-359, 1990
A,Title: Molecular cloning and expression of the human 55 kd tumor necrosis factor receptive for the number: A34899; MUID:90235284; PMID:2158862
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A; Residues: 1-455 cLOE>
A; Residues: 1-455 cLOE>
A; Cross-references: UNIPARC: UPI000002CE11; GB:M58286; GB:M33480; NID:g339753; PIDN:AAA36
A; Cross-references: UNIPARC: UPI000002CE11; GB:M58286; GB:M3480; NID:g339753; PIDN:AAA36
A; Experimental source: placental placental placental protein, confirmed R; Schall, T.J.; Lewis, M.; Koller, K.J.; Lee, A.; Rice, G.C.; Wong, G.H.W.; Gatanaga, T.Cell 61, 361-370, 1990
A; Title: Molecular cloning and expression of a receptor for human tumor necrosis factor. A; Reference number: A34900; MUID:90232285; PMID:2158863
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A;Nore: the authors translated the codon TGG for residue 371 as Thr, AAG for residue 372
A;Nophar. Y.; Kemper, O.; Brakebusch, C.; Engelmann, H.; Zwang, R.; Aderka, D.; Holtmann
EMBO J. 9, 3269-3278, 1990
A;Title: Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the typ
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                                                                                                                                                                                                                                                                                                                                                                                                            tumor necrosis factor receptor 1 precursor [validated] - human
N;Alternate names: P55 tumor necrosis factor receptor; TNF receptor type 1
N;Contains: tumor necrosis factor alpha inhibitor; tumor necrosis factor binding protein
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A; Residues: 1-455 c.SCH-3

A; Cross-references: UNIPARC: UPI000002CE11; GB:M33294; NID:9339744; PIDN:AAA03210.1; PID:

B; Himmler, A.; Maurer-Fogy, I.; Kroenke, M.; Scheurich, P.; Pfizenmaier, K.; Lantz, M.;

B) M. Cell Biol. 9, 705-715, 1990

A; Title: Molecular cloning and expression of human and rat tumor necrosis factor receptor

A; Reference number: A36555; MUID:91090841; PMID:1702293
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A; Cross-references: UNIPARC:UP1000002D398; UNIPARC:UP1000002D836; UNIPARC:UP100001736DE;
A; Note: the purified protein, called tumor necrosis factor binding protein, is a soluble
R; Gray, P.W.; Barrett, K.; Chantry, D.; Turner, M.; Feldmann, M.
Proc. Natl. Acad. Sci. U.S.A. 87, 7380-7384, 1990
A; Title: Cloning of human tumor necrosis factor (TNF) receptor cDNA and expression of re
A; Reference number: A38281; MUID:91017509; PMID:2170974
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A;Accession: C36555
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e form of the receptor. Reference number: S12057; MUID:91006021; PMID:1698610; Accession: S12057

A;Molecule type: mRNA A;Residues: 1-455 <NOP>

Residues: 1-455 <GRA>

Molecule type: mRNA

Accession: A38281

Molecule type: protein

Molecule type: mRNA; Residues: 1-455 < HIM>

A,Title: Molecular cl A,Reference number: A,Accession: A36555 A,Molecule type: mRNA A,Residues: 1-455 <HJ

A; Accession: A34899 A; Molecule type: mRNA

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Pypothetical protein T5A14.15 [imported] - Arabidopsis thaliana (Gouse-ear cress) Cispecies: Arabidopsis thaliana (Gouse-ear cress) Cispecies: Arabidopsis thaliana (Gouse-ear cress) Cispecies: O-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004 Cispecesion: F95596 Rs.7 Deologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; Nature 408, 816-820, 2000 A; Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.C., J. Li, J.H.; Li, Y.; Lin, X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W. A; Tile: Sequence and analysis of chromosome 1 of the plant Arabidopsis. A; Reference number: A86141; MUID:21016719; PMID:11130712
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A;Accession: G83398
A;Status: preliminary
A;Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Cross-references: UNIPROT:Q9ZVU3; UNIPARC:UPI000009D265; GB:AE005173; NID:g4204269; PII C;Genetics:
                                                                                                                        A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-922 <WIL>
A;Kesidues: 1-922 <WIL>
A;Cross-references: UNIPROT: Q21418; UNIPARC: UPI00000762C2; EMBL: Z75545; PIDN: CAA99886.1;
A;Experimental source: clone K10D3
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                                                                                                                                                                                                                                                                                                                                                                                                                      / Match
24.9%; Score 50; DB 2; Length 922;
Local Similarity 29.3%; Pred. No. 2e+02;
les 12; Conservative 7; Mismatches 14; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CSQNEYFDSLLHA--CIPCQLRCSSNTPP----LTCQRY 33
                                                                                                                                                                                                                                                                                                                                A;Map position: 1
A;Introns: 60/1; 228/1; 278/1; 355/1; 743/1; 802/1; 885/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24.9%; Score 50; DB 2; I 50.0%; Pred. No. 2.8e+02; iive 4; Mismatches 4;
         R;McMurray, A.
submitred to the EMBL Data Library, June 1996
KReference number: 219762
A;Accession: T23573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         947 NKDTDDLVYACLPCSL 962
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Best Local Similarity 50.09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A Status: preliminary
A Molecule type: DNA
A:Residues: 1-1360 <STO>
                                                                                                                                                                                                                                                                                                       A, Gene: CESP: K10D3.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A, Gene: T5A14.15
A, Map position: 1
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Matches
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A.Molecule type: DNA
A.Residues: 1-561 <WIL>
A.Cross-references: UNIPROT:Q9U1T6; UNIPARC:UPI0000164288; EMBL:298877; PIDN:CAB54472.1;
C.Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :Residues: 1-626 <WIL>
:Cross-references: UNIPROT:Q9U1T5; UNIPARC:UP10000164289; EMBL:298877; PIDN:CAB54473.1;
:Experimental source: clone Y69H2
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A;Introns: 183/1; 247/1; 312/1; 353/1; 383/1; 429/1; 453/2; 522/1; 546/2; 586/3
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                                                                                                                                                                                                                                                                                                                    hyporhetical protein Y69H2.3a - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T27318
R;McMurray, A.
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C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T27319
R;McMurray, A.
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C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T23573
                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Map position: 5
A;Introns: 183/1; 247/1; 288/1; 318/1; 364/1; 388/2; 457/1; 481/2; 521/3
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            Length 455;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               / Match 24.9%; Score 50; DB 2; Length 561 Local Similarity 32.4%; Pred. No. 1.3e+02; nes 12; Conservative 3; Mismatches 12; Indels
                                                                   Indels
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         ); DB 1; L
                                                                                                                                                                1:|: |: |: |: |
127 CRKNQYRHYWSENLFQCFNCSL-CLNGTVHLSCQ 159
                                                                                                                        1 CSONE---YFDSLLHACIPCOLRCSSNTPPLTCQ 31
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A;Molecule type: DNA
Query Match
24.9%; Score 50; DB 1
Best Local Similarity 35.3%; Pred. No. 1.10+
Matches 12; Conservative 5; Mismatches
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A;Reference number: Z20343
A;Accession: T27319
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A;Reference number: Z20343
A;Accession: T27318
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A,Gene: CESP:Y69H2.3a
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hypothetical protein - Arabidopsis thaliana (mouse-ear cress)
C;Species: Arabidopsis thaliana (mouse-ear cress)
A;Variety: columbia
C;Variety: columbia
C;Date: 03-Aug-1998 #sequence_revision 03-Aug-1998 #text_change 09-Jul-2004
C;Accession: B71439
R;Bevan, M; Bancroft, I.; Bent, E.; Love, K.; Goodman, H.; Dean, C.; Bergkamp, R.; Dirks P.; Wedler, H.; Wedler, E.; Wambutt, R.; Weitzenegger, T.; Pohl, T.M.; Terryn, N.; Giele avanagh, T.; Hempel, S.; Kotter, P.; Entian, K.D.; Rieger, M.; Schaeffer, M.; Funk, B. Nature 391, 485-488, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R;Nelson, K.E.; Clayton, R.A.; Gill, S.R.; Gwinn, M.L.; Dodson, R.J.; Haft, D.H.; Hickey, Garrett, M.M.; Stewart, A.M.; Cotton, M.D.; Pratt, M.S.; Phillips, C.A.; Richardson, D.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nature 399, 323-329, 1999
Affile: Evidence for lateral gene transfer between Archaea and Bacteria from genome seqn
A;Reference number: A72200; MUID:99287316; PMID:10360571
A;Accession: C72272
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A;Cross-references: UNIPROT:Q9X118; UNIPARC:UPI0000D38D8; GB:AE001784; GB:AE000512; NID:
A;Experimental source: strain MSB8
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                                hypothetical protein 68B2.120 [imported] - Neurospora crassa C;Species: Neurospora crassa C;Species: Neurospora crassa C;Date: Os-May-2000 #sequence_revision 05-May-2000 #text_change 16-Feb-2001 C;Accession: T48828 R;Schulte, U.; Aign, V.; Hoheisel, J.; Brandt, P.; Fartmann, B.; Holland, R.; Nyakatura, Bibmitted to the Protein Sequence Database, April 2000 A;Reference number: Z24541 A;Accession: T48828
                                                                                                                                                                                                                                                                                                                                                                                   A;Cross-references: UNIPARC:UP10000179B99; EMBL:AL353821; GSPDB:GN00112; NCSP:68B2.120
A;Experimental source: cosmid contig 68B2; strain 74
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A;Gene: TM1292
C;Superfamily: cell division inhibitor related protein; ferredoxin 2[4Fe-4S] homology
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C;Species: Thermotoga maritima
C;Date: 11-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 09-Jul-2004
C;Accession: C72272
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         / Match
Local Similarity 41.2%; Pred. No. 67;
Local Similarity 41.2%; Pred. No. 67;
Local Similarity 2; Mismatches 8; Indels
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C,Superfamily: Neurospora crassa hypothetical protein 68B2.120
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                                                                                                                                                                                                                                                                                       A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-189 <SCH>
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Matches
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A;Residues: 1-216 <STO>
A;Cross-references: UNIPROT:Q912C8; UNIPARC:UP10000C553D; GB:AE004624; GB:AE004091; NID
A;Experimental source: strain PAO1
C;Genetics:
A;Gene: PA1979
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C;Species: Lactuca sativa (garden lettuce)
C;Accession: 120-0ct-1999 #sequence_revision 22-0ct-1999 #text_change 09-Jul-2004
C;Accession: 130558
R;Meyers, B.C.; Chin, D.B.; Shen, K.A.; Sivaramakrishnan, S.; Lavelle, D.O.; Zhang, Z.;
Plant Cell 10, 1817-1832, 1998
A;Title: The major resistance gene cluster in lettuce is highly duplicated and spans sev
A;Reference number: 220859; MUID:99030190; PMID:9811791
A;Accession: T30558
A;Status: preliminary; translated from GB/EMBL/DDBJ
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Molecule type: DNA
Mesidues: 1-392 < WIL.
Gross-references: UNIPROT:Q9XXP6; UNIPARC:UPI000007EED1; EMBL:AL021503; PIDN:CAA16424.
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C;Genetics:
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C.Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C.Accession: T27303
R.Steward, C.
Submitted to the EMBL Data Library, January 1998
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                                                                                                                                                                                           Length 216;
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Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Map position: 5
A;Introns: 45/2; 74/3; 139/3; 175/2; 190/3; 241/3; 305/3; 356/3
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                                                                                                                                                                                                                                                                                                                                                                         86 OROSLDEALRACVADWOEGOGIACELRIGGPLPPL 120
                                                                                                                                                                                           DB 2;
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Pred. No. 4.1e+02;
5; Mismatches 12;
                                                                                                                                                                                                                                                                                                                 3 QNEYFDSLLHAC-----IPCQLRCSSNTPPL
                                                                                                                                                                                        Query Match 24.6%; Score 49.5; D
Best Local Similarity 34.3%; Pred. No. 66;
Matches 12; Conservative 2; Mismatches
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A;Note: RGC2J
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Matches 9; Conservative
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Matches 10; Conservative
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Accession: T27303
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Gene: CESP:Y68A4A.10
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protein TIF9.18 [imported] - Arabidopsis thaliana cyspecies: Arabidopsis thaliana (mouse-ear cress)
Cybate: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 31-Dec-2004
CyAccession: A96399
R.Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000
A,Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, B.; Kim, C.C. C.A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Roomey, T.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A,Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I ker, M.; The: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A,Reference number: A86141; MUID:21016719; PMID:11130712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             District box-containing protein Pax-4 - human C; Species: Homo sapiens (man)
C; Accession: JG5828
R; Matsushita, T.; Yamaoka, T.; Otsuka, S.; Moritani, M.; Matsumoto, T.; Itakura, M.
Biochem. Biophys. Res. Commun. 242, 176-180, 1998
A; Title: Molecular cloning of mouse paired-box-containing gene (Pax)-4 from an islet beta A; Reference number: JG5827; MUID: 98102804; PMID: 9439631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A, Molecule type: mRNA
A, Residues: 1-350 cMATS
A, Croment: 1-350 cMATS
A, Croment: This protein is involved in pancreatic islet development.
C, Somerianily: paired box transcription factor Pax-4; homeobox homology; paired box homology cyperfamily: paired box homology cyperianily: paired box homo
A;Residues: 1-346 <WIL>
A;Cross-references: UNIPARC:UPI0000177DBC; EMBL:Z81054; PIDN:CAB02885.1; GSPDB:GN00022; C
A;Experimental source: clone F01D4
C;Genetics:
A;Gene: CESP:F01D4.6
A;Gene: CESP:F01D4.6
A;Genes: 26/3; 63/1; 107/2; 131/3; 215/3; 253/3; 325/1
A;Introns: 26/3; 63/1; 107/2; 131/3; 215/3; 253/3; 325/1
C;Superfamily: homeotic protein mec-3; homeobox homology; LIM metal-binding repeat homoloc; Keywords: DNA binding; homeobox; nucleus; transcription regulation
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Pred. No. 1.1e+02;
3; Mismatches 7; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Status: nucleic acid sequence not shown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 24.4%;
Best Local Similarity 44.4%;
Matches 8; Conservative
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A; Residues: 1-447 <STO>
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A;Title: Analysis of 1.9 Mb of contiguous sequence from chromosome 4 of Arabidopsis thal A;Reference number: A71400; MUID:98121113; PMID:9461215
A;Accession: B71439
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C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 17-Apr-1993 #sequence_revision 17-Apr-1993 #text_change 09-Jul-2004
C;Accession: 828399, A27662
R;Xue, D.; Finney, M.; Ruvkun, G.; Chalfie, M.
R;Xue, D.; Finney, M.; Ruvkun, G.; Chalfie, M.
A;Title: Regulation of the mec-3 gene by the C. elegans homeoproteins UNC-86 and MEC-3.
A;Reference number: 828390, MuID:93099872; PMID:1361171
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A,Cross-references: UNIPARC:UP1000016B90E; GB:M20244; NID:g156363; PIDN:AAA28108.1; PID:
                                                                                                                                                                                                                                                                            A, Cross-references: UNIPROT:023551; UNIPARC:UPI00000A5737; GB:297342; NID:92245031; PID
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Cell 84, 5-16, 1988
A;Title: mec-3, a homeobox-containing gene that specifies differentiation of the touch A;Reference number: A27662; MUID:88253425; PMID:2898300
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C; Superfamily: homeotic protein mec-3; homeobox homology; LIM metal-binding repeat
C; Keywords: DNA binding; duplication; homeobox; nucleus; transcription regulation;
F; 29-79/Domain: LIM metal-binding repeat homology <LIMI>
F; 89-145/Domain: LIM metal-binding repeat homology <LIMI>
F; 218-274/Domain: homeobox homology <HOX>
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                                                                                                                               A;Status: preliminary; nucleic acid sequence not shown; translation not shown A;Molecule type: DNA A;Residues: 1-306 <BEV>
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hypothetical protein F01D4.6 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 04-Feb-2000
C;Accession: T20458
R;Wild, A.
R;Wild, A.
R;Wild, A.
R;Reference number: Z19278
A;Reference number: Z19278
A;Accession: T20458
A;Status: preliminary; translated from GB/EMBL/DDBJ
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C;Superfamily: Arabidopsis thaliana 33.5K hypothetical protein
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44.4%; Pred. No. 1.18+02;
ive 3; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 24.4%; Score 49; DB 2; Best Local Similarity 33.3%; Pred. No. 1e+02; Matches 9; Conservative 4; Mismatches 1
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Best Local Similarity 44.4
Matches 8; Conservative
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A; Residues: 1-321 <XUE>
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                                                                                                                                                                                                                                                                                                                                C, Genetics:
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hypothetical protein YKL010c - yeast (Saccharomyces cerevisiae)
N;Alternate names: hypothetical protein YKL162
C;Species: Saccharomyces cerevisiae
C;Date: 07-May-1993 #sequence_revision 07-May-1993 #text_change 09-Jul-2004
C;Accession: S30015; S37821
R;Pascolo, S; Ghazvini, M.; Boyer, J.; Colleaux, L.; Thierry, A.; Dujon, B.
Reast, 8, 987-995, 1992
A;Title: The sequence of a 9.3 kb segment located on the left arm of the yeast chromosome
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A;Residues: 1-1483 cPAS>
A;Rossidues: 1-1483 cPAS>
A;Cross-references: UNIPROT:P33202; UNIPARC:UPI0000137AD6; GB:S53418; NID:g263497; PIDN:/
A;Experimental source: strain S288C
R;Boyer, J.; Pascolo, S.; Richard, G.F.; Ghazvini, M.; Colleaux, L.; Thierry, A.; Monnies submitted to the Protein Sequence Database, March 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Residues: 1-1483 <BOY>
A;Cross-references: UNIPARC:UPI0000137AD6; EMBL:228010; NID:g485992; PIDN:CAA81845.1; PII
A;Experimental source: strain $288C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cispecies: Caenorhabditis elegans
Cispecies: Caenorhabditis elegans
Cispecies: Caenorhabditis elegans
Cispecies: Caenorhabditis elegans
Cispecies: Caetung, S.
Submitted to the EMBL Data Library, March 1996
A;Duscription: The sequence of C. elegans cosmid C14C11.
A;Reference number: Z20742
A;Accession: T30136
A;Accession: T30136
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Rolecule: type: DNA
A;Residues: 1-654 < DUZ>
A;Residues: 1-654 < DUZ>
A;Coss-references: UNIPROT:017982; UNIPARC:UD1000017B77E; EMBL:U53141; PIDN:AAA96110.1;
A;Experimental source: strain Bristol N2; clone C14C11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Map position: 5
A;Introns: 50/3; 98/3; 155/3; 182/3; 229/3; 318/3; 365/3; 522/3; 543/3; 586/3
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24.4%; Score 49; DB 2; Length 1483;
Best Local Similarity 34.4%; Pred. No. 3.9e+02;
Matches 11; Conservative 4; Mismatches 17; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 654;
    Length 602;
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A, Reference number: S30013; MUID:93127732; PMID:1481574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hypothetical protein C14C11.8 - Caenorhabditis elegans
Score 49; DB 2;
Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 24.4%; Score 49; DB 2; Best Local Similarity 42.9%; Pred. No. 1.9e+02; Matches 12; Conservative 3; Mismatches 7
                                                                                                                                                                                                                                                                 140 SEWF----YRCSICNFFLDFRCARNFPPLTIQ 167
                                                                                                                                                                          4 NEYFDSLLHACIPC----QLRCSSNTPPLTCQ 31
                                                                                            4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                489 ACOPSCOSSCGSNTOCVOACIPSCOOTC 516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SGD:S0001493; MIPS:YKL010c
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    24.4%;
37.5%;
    Query Match
Best Local Similarity 37.5
Matches 12; Conservative
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A;Accession: S37821
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A;Cross-references:
A;Map position: 11L
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Molecule type: mRNA
A;Residues: 1-461 <SUT>
A;Cross-references: UNIPROT:P50555; UNIPARC:UP100001372A9; GB:U19994; NID:g1141752; PIDN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tumor necrosis factor receptor p55 precursor - pig
C;Species: Sus scrofa domestica (domestic pig)
C;Date: 29-Nov-1995 #sequence_revision 08-Feb-1996 #text_change 09-Jul-2004
C;Accession: JC4302; PC4093
R;Suter, B; Pauli, U.
Gene 13, 263-266, 1995
A;Title: Cloning of the cDNA encoding the porcine p55 tumor necrosis factor receptor.
A;Reference number: JC4302; MUID:96011645; PMID:7590278
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K;D'Angelo, M; Vezzi, A.; Modesto, D.; Pigazzi, M.; Valle, G.; Mewes, H.W.; Rudd, submitted to the Prozin Sequence Database, April 2000
A;Reference number: Z24476
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 F;84-126/Domain: NGF receptor repeat homology <NGF>
F;211-231/Domain: transmembrane #status predicted <TWM>
F;361-441/Domain: signal transduction #status predicted <SIT>
F;54,145,151/Binding site: carbohydrate (Asn) (covalent) #status predicted
                                                                                                                                                                                                                            Gaps
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A;Residues: 1-602 <DAN>
A;Residues: U-002 <DAN>
A;Cross-references: UNIPROT:Q9LYS4; UNIPARC:UPI00000A6194; EMBL:AL163527
A;Experimental source: cultivar Columbia; BAC clone F17J16
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A,Map position: 1
C,Superfamily: Arabidopsis thaliana hypothetical protein F17J16.30
                                                                                                                                     Length 447
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                                                                                                                                Query Match
24.4%; Score 49; DB 2;
Best Local Similarity 37.0%; Pred. No. 1.4e+02;
Matches 10; Conservative 5; Mismatches 12
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                                                                                                                                                                                                                                                                                                                                                                      211 FKSLVVSCMPNLLSIFLDAPTLECYKY 237
                                                                                                                                                                                                                                                                                                           7 FDSLLHACIPCOLRCSSNTPPLTCORY 33
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A; Experimental source: kidney cell line 15
C; Genetics:
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A; Introns: 580/3
A; Note: F17J16.170
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A;Status: not compared with conceptual translation
A;Rolecule type: nucleic acid
A;Note: sequence extracted from NCBI backbone (NCBIP:127318)
A;Note: sequence extracted from NCBI backbone (NCBIP:127318)
A;Rolecule to the EMBL Data Library, April 1992
A;Rolecule to the EMBL Data Library, April 1992
A;Reference number: S25144
A;Reference number: S25144
                                                                                                    NiAlternate names: motch protein
C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (species)
C;Species: Mus musculus (species)
C;Accession: A46019; S25144; C49175; B46438; PH1569; S32109
R;del Amo, F.F.; Gendron-Maguire, M.; Swiatek, P.J.; Jenkins, N.A.; Copeland, N.G.; Gridl Genomics 15, 259-264, 1993
A;Title: Cloning, analysis, and chromosomal localization of Notch-1, a mouse homolog of I A;Reference number: A46019; MUID:93194170; PMID:8449489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Molecule type: mRNA
A;Residues: 1551-2108,'Q',2110-2114,'ALP',2118-2170 <FRA>
A;Cross-references: UNIPARC:UPI0000177461; EMBL:211886
R;Lardelli, M.; Lendahl, U.
Exp. Cell Res. 204, 364-372, 1993
A;Title: Motch A and Motch B--two mouse Notch homologues coexpressed in a wide variety of A;Reference number: A49175; MUID:93178563; PMID:8440332
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R;Kopan, R.; Weintraub, H.
J. Cell Biol. 121, 631-641, 1993
A;Title: Mouse notch: expression in hair follicles correlates with cell fate determinatic A;Reference number: A46438; MUID:93252998; PMID:8486742
A;Reference number: A646438
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C;Comment: This protein has many EGF repeats and lin-12[#1172]/Notch repeats.
C;Comment: This protein is one of the neurogenic proteins controlling the decision betwee
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A;Residues: 1865-1932, 'RR',1935-1937,'L',1938-1967,'I',1969-2044,'IE',2047-2052,'S',2054-
A;Cross-references: UNIPARC:UPI0000177463
A;Experimental source: embryo
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A;Cross-references: UNIPARC:UP10000177462; EMBL:X68278; NID:g287987; PIDN:CAA48339.1;
A;Experimental source: embryo
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F;949-980/Domain: EGF
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A;Residues: 1-1984 <SCH>
A;Cross-references: UNIPROT:P98163; UNIPARC:UPI000013B879; EMBL:U13637; NID:g535345; PID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Residues: 1-1620 <WIL>
A;Cross-references: UNIPARC:UPI000017BCB4; EMBL:AL110498; NID:e1542303; PIDN:CAB54471.1; A;Experimental source: clone Y64G10A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C;Accession: T13171
R;Schonbaum, C.P.; Lee, S.; Mahowald, A.P.
Proc. Natl. Acad. Sci. U.S.A. 92, 1485-1489, 1995
A;Title: The Drosophila yolkless gene encodes a vitellogenin receptor belonging to the A;Reference number: Z17627; MUID:95183490; PMID:7878005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Introns: 77/1; 116/1; 198/1; 282/1; 365/1; 425/1; 466/1; 548/1; 559/1; 601/1; 625/1;
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F;90-124/Domain: LDL receptor ligand-binding repeat homology <LD13>
F;122-166/Domain: LDL receptor ligand-binding repeat homology <LD13>
F;122-166/Domain: LDL receptor ligand-binding repeat homology <LD10>
F;227-266/30/Domain: LDL receptor ligand-binding repeat homology <LD10>
F;227-266-304/Domain: LDL receptor ligand-binding repeat homology <LD11>
F;105-1062/Domain: LDL receptor ligand-binding repeat homology <LD12>
F;1074-1109/Domain: LDL receptor ligand-binding repeat homology <LDL2>
F;1118-1152/Domain: LDL receptor ligand-binding repeat homology <LDL2>
F;1118-1152/Domain: LDL receptor ligand-binding repeat homology <LDL2>
F;118-1123/Domain: LDL receptor ligand-binding repeat homology <LDL4>
F;1243-1279/Domain: LDL receptor ligand-binding repeat homology <LDL5>
F;128-1137/Domain: LDL receptor ligand-binding repeat homology <LDL5>
F;1340-1375/Domain: LDL receptor ligand-binding repeat homology <LDL7>
F;1340-1375/Domain: LDL7
                                                                                                                                                                                  hypothetical protein Y64G10A.f - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              probable vitellogenin receptor - fruit fly (Drosophila melanogaster)
C,Species: Drosophila melanogaster
C,Date: 13-Aug-1999 #sequence_revision 13-Aug-1999 #text_change 09-Jul-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 24.4%; Score 49; DB 2; Length 162
Best Local Similarity 23.8%; Pred. No. 4.2e+02;
Matches 10; Conservative 7; Mismatches 17; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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Pred. No. 5e+02;
7; Mismatches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A,Status: preliminary; translated from GB/EMBL/DDBJ
A,Molecule type: DNA
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                                                                                                                                                                                                                                                                                           C; Accession: T27283
R; Ainscough, R.
submitted to the EMBL Data Library, September 1999
A; Reference number: Z20336
A; Accession: T27283
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SNOEKFDSLVQCLIPILVEIYTNAADFDVRRY
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A;Cross-references: FlyBase:FBgn0004649
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Best Local Similarity 33...
Best Local Similarity
The Till Conservative
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Geruma albumin 1 precursor - Atlantic salmon
C;Species: Salmo salar (Atlantic salmon)
C;Species: Salmo salar (Atlantic salmon)
C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 09-Jul-2004
C;Accession: A36238; S13079
DNA Cell Biol. 9, 647-655, 1990
A;Title: Atlantic salmon (Salmo salar) serum albumin: cDNA sequence, evolution, and tissualization and tissualization and the sequence of the sequence 
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C; Keywords: carrier protein; duplication; plasma
F;1-14/Domain: signal sequence #status predicted <SIG>F;15-18/Domain: propeptide #status predicted <NRO>F;15-18/Domain: serum albumin repeat homology <SA1>F;23-196/Domain: serum albumin repeat homology <SA2>F;21-39/Domain: serum albumin repeat homology <SA2>F;21-39/Domain: serum albumin repeat homology <SA3>F;21-39/Domain: serum albumin repeat homology <SA3>F;21-30/Domain: serum albumi
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ABONS agar (Atlantic salmon)
C;Species: Salmo salar (Atlantic salmon)
C;Species: Salmo salar (Atlantic salmon)
C;Species: Salmo salar (Atlantic salmon)
C;Species: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 09-Jul-2004
C;Accession: A46757; $30594
B;Bytnes, L.
A;Reference number: A46757
A;Molecule type: MRNA
A;Residues: 1-608 ABNA
A;Rible: Sequence analyysis of a second cDNA encoding Atlantic salmon (Salmo salar) serum
A;Reference number: S30594; MUID: 93013056; PMID: 1398147
A;Contents: annotation
A;Note: only a list of differences from sequence A36238 is shown
C;Comment: Serum albumin is synthesized in the liver as preproalbumin. It binds copper, r
mones (weak bonds with these hormones promote their transfer across the membranes), thyrc
C;Comment: Serum albumin #serum albumin #serum albumin #serum albumin #serum albumin repeat homology <ABI>F;1-14/Domain: serum albumin repeat homology <ABI>F;1-190/Domain: serum albumin repeat homology <ABI>F;11-591/Domain: serum albumin repeat homology <ABI>F;11-591/Domain: serum albumin repeat homology <ABI>F;11-591/Domain: serum albumin repeat homology <ABI>F;11-51/Domain: serum albumin repeat homology <ABI>F;11-191/Domain: serum albumin repeat homology <ABI-591/Domain: serum albumin repeat homo
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                3; Mismatches
                                                                                                                                                                             |:||| |:| |: | |: | 376
                                                                                                      14 CIPCOLRCSSNTPPLTCORYC
                Conservative
          9;
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A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Rolecule type: mRNA
A;Rosidues: 1-3635 <MIN>
A;Residues: 1-3635 <MIN>
A;CSSS-references: UNIPROT:Q61001; UNIPARC:UPI000004C5E8; EMBL:U37501; NID:g2599231; PIC;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-474 <MIL>
A;Residues: UNIPROT:09XXQZ; UNIPARC:UPI00000783D7; EMBL:AL021503; PIDN:CAA16417.
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C;Species: Mus musculus (house mouse)
C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 09-Jul-2004
C;Accession: T10053
R;Miner, J.H.; Lewist, R.M.; Sanes, J.R.
aubmitted to the EMBL Data Library, November 1997
A;Reference number: Z16923
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Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
Accession: T27297
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Keywords: basement membrane; cell binding; extracellular matrix F;1888-1939/Domain: laminin-type EGF-like homology <LEG>F;1942-1970/Domain: EGF homology <EGF>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 474;
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Pred. No. 8.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 2531;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 49; DB 2;
Pred. No. 6.2e+02;
                                                                                                                                                  F;1187-1218/Domain: EGF homology <EG18-
F;1233-1264/Domain: EGF homology <EG74-
F;1352-1383/Domain: EGF homology <EG78-
F;1391-1425/Domain: EGF homology <EG7-
F;1949-1981/Domain: ankyrin repeat homology <AN1-
F;1949-1981/Domain: ankyrin repeat homology <AN2-
F;1983-2015/Domain: ankyrin repeat homology <AN3-
F;2016-2048/Domain: ankyrin repeat homology <AN3-
F;2016-2048/Domain: ankyrin repeat homology <AN3-
F;2016-2048/Domain: ankyrin repeat homology <AN3-
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C.Date: 15-Oct-1999 #sequence_revision 15-Oct-199
C.Accession: T27297
R.Steward, C.
submitted to the EMBL Data Library, January 1998
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EGF homology «EG15»
EGF homology «EG16»
EGF homology «EG18»
EGF homology «EG18»
EGF homology «EG19»
EGF homology «EG19»
EGF homology «EGF»
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illarity 40.7%;
Conservative
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A;Accession: T27297
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Best Local Similarity
Matches 11; Conserv
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Best Local Similarity
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Best Local Similarity
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A; Molecule type: protein
A; Molecule type: 1-56 < 27K>
A; Molecule type: 1-56 < 27K>
A; Cross-references: UNIPROT: P16344; UNIPARC: UPI000012DA5F
C; Superfamily: basic proteinase inhibitor; animal Kunitz-type proteinase inhibitor
C; Keywords: serine proteinase inhibitor
F; 4-54 Domain: animal Kunitz-type proteinase inhibitor homology < BPI>
F; 4-54 Domain: animal Kunitz-type proteinase inhibitor homology < BPI>
F; 4-54,13-37,29-50/Disulfide bonds: #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Directin C1068.4 [imported] - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004 C;Accession: C89046 R;Anonymous, The C. elegans Sequencing Consortium. Science 282, 2012-2018, 1998 A;Title: Genome sequence of the nematode C. elegans: a platform for investigating biology A;Reference number: A75000; MUID: 99069613; PMID: 99059116 A;Reference number: A5000; MUID: A;Reference number: A5000; MUID: Spidsoft and www.ganger.ac.uk/Projects/C_elegals/Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Use factor pathway inhibitor precursor - rhesus macaque
N;Alternate names: extrinsic pathway inhibitor; lipoprotein-associated coagulation inhibi
C;Species: Macaca mulatta (rhesus macaque)
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 09-Jul-2004
C;Accession: JC2264
R;Kamei, S.; Kamikubo, Y.; Hamuro, T.; Fujimoto, H.; Ishihara, M.; Yonemura, H.; Miyamoto
J;Biochem. 115, 708-714, 1994
A;Fitle: Amino acid sequence and inhibitory activity of rhesus monkey tissue factor pathy
A;Reference number: JC2264; MUID:94375417; PMID:8089087
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         trypsin inhibitor IV - sea anemone (Radianthus macrodactylus)
C;Species: Radianthus macrodactylus
C;Species: Radianthus macrodactylus
C;Date: 15-Jan-1993 #sequence_revision 15-Jan-1993 #text_change 09-Jul-2004
C;Accession: JN0380
R;Zykova, T.A.; Vinnokurov, L.M.; Markova, L.F.; Kozlovskaya, E.P.; Elyakov, G.B.
Bioorg: Khim. 11, 293-301, 1985
A;Title: Amino-acid sequence of trypsin inhibitor IV from Radiantis macrodactylus.
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Pred. No. 51;
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Pred. No. 32;
0; Mismatches
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40.0%;
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Best Local Similarity 57.1%;
Matches 8; Conservative
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nes 14; Conserv
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A; Residues: 1-304 < KAM>
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A,Residues: 1-98 <STO>
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M.Residues: 1-1846 < MMTs.
A;Residues: 1-1846 < MMTs.
A;Cross-references: UNIPARC:UP1000017763D; EMBL:AF067217; PIDN:AAC17015.1; GSPDB:GN00019
A;Experimental source: strain Bristol N2; clone F5646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A:Introns: 71/1; 165/3; 247/2; 335/2; 356/2; 389/3; 441/3; 497/3; 539/1; 607/3; 636/3; 6
06/1; 1714/3; 1756/2
C;Superfamily: rat myosin heavy chain; myosin motor domain homology; protein kinase C zi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Accession: T14119
R;Hadjantonakis, A.K.; Formstone, C.J.; Little, P.F.R.
Submitted to the EMBL Data Library, October 1997
A;Description: The Celsr family of novel evolutionarily conserved seven-pass transmembra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-3034 <HAD>
A;Residues: 1-3034 <HAD>
A;Coss-references: UNIPROT:035161; UNIPARC:UPI000002931C; EMBL:AF031572; NID:g3800735;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A,Map position: 15 C;Keywords: transmembrane protein C;Keywords: transmembrane protein F;1-26/Domain: signal sequence #status predicted <SIG> F;27-3034/Product: seven-pass transmembrane receptor protein #status predicted <MAT>
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                                                                                                                                                                                                                                                                                                             hypothetical protein F56A6.2 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 23-Mar-2001 C;Accession: T33079 R;Muray, J;Rohlfing, T: O'Neal, D.; Wilson, R. submitted to the EMBL Data Library, May 1998 A;Description: The sequence of C. elegans cosmid F56A6. A;Reference number: Z21279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
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Query Match

24.1%; Score 48.5; DB 1; Length 608;
Best Local Similarity 34.4%; Pred. No. 2.1e+02;
Matches 11; Conservative 5; Mismatches 9; Indels 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 48.5; DB 2;
Pred. No. 5.4e+02;
6; Mismatches 16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Status: preliminary; translated from GB/EMBL/DDBJ
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                                                                                                                                 32
                                                                                                                                                                           DSTLGDLVPLIAEALAMGVKCCSDTPPEDCER
                                                                                                                              8 DSLLHACIP-----CQLRCSSNTPPLTCQR
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Best Local Similarity 26.5%;
Matches 9; Conservative 6
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Best Local Similarity
Matches 12; Conserv
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protein apx-1 [imported] - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: 10-May-2001
#sequence_revision 10-May-2001
F;Ancession: D88991
F;Anonymous, The C. elegans Sequencing Consortium.
Science 282, 2012-2018, 1998
A;Reference number: A75000; MUID:99069613; PMID:9851916
A;Title: Genome sequence of the nematode C. elegans: a platform for investigating biology
A;Reference number: A75000; MUID:99069613; PMID:9851916
A;Reference number: A75000; MUID:99069613; PMID:999; Science 283, 2103, 1999; and A;Recession: D88991
A;Reference number: A75000; MUID:99069613; PMID:99069613; PMID:99
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R;Johnson, A.F.; de la Bastide, M.; Lodhi, M.; Hoffman, J.; Hasegawa, A.; Gnoj, L.; Gotte Martienssen, R; McCombie, W.
Submitted to the EMBL Data Library, May 1997
A;Description: The sequence of the Arabidopsis thaliana T10M13 BAC.
A;Reference number: Z14346
A;Accession: T01513
A;Accession: T01513
A;Accession: 101513
A;Accession: UNDA
A;Residues: L=539 <-JOH>
A;Cross-references: UNIPROT:O04252; UNIPARC:UPI00000AB89F; EMBL:AF001308; NID:g2104523; I
A;Experimental source: cultivar Columbia
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A,Introns: 40/1; 66/3; 95/3; 152/1; 171/1; 192/3; 220/3; 237/3; 258/3; 293/3; 314/3; 344,
A,Note: T10M13.13
C,Superfamily: CTP synthase
C,Keywords: ligase; pyrimidine nucleotide biosynthesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Cross-references: UNIPARC: UP1000017A664; GB: chr_V; PIDN: AAC69353.1; PID: 93808343; GSPDF
             C;Keywords: ATP; oncogene; phosphotransferase; serine/threonine-specific protein kinase; 81.347/Domain: protein kinase homology <KIN> F;89-97/Region: protein kinase ATP-binding motif F;80-97/Region: protein kinase ATP-binding motif F;109/Active site: Lys #status predicted
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CTP synthase (EC 6.3.4.2) T10M13.13 - Arabidopsis thaliana
N.Alternate names: CTP synthetase; UTP-ammonia ligase
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 19-Feb_1999 #sequence_revision 19-Feb-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                         Gaps
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Pred. No. 2.1e+02;
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llarity 66.7%; Pred. No. 2.2e+02;
Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                          Length 450
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                                                                                                                                                                                                                      23.9%; Score 48; DB 1; I
50.0%; Pred. No. 1.9e+02;
:ive 4; Mismatches 4;
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124 VTVQLRNLCSSNYHGKRCNRYC 145
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50.0%;
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Best Local Similarity 50.0
Matches 8; Conservative
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Best Local Similarity
Matches 8; Conserv
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Best Local S:
Matches 11;
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C;Comment: This protein inhibits the activities of factor Xa and tissue factor-factor VI C;Superfamily: tissue factor pathway inhibitor; animal Kunitz-type proteinase inhibitor C;Superfamily: tissue factor pathway inhibitor; animal Kunitz-type proteinase inhibitor F;1-28 Domain: signal sequence #status predicted <SIG.
F;29-304/Pomain: signal sequence #status predicted <SIG.
F;29-304/Pomain: animal Kunitz-type proteinase inhibitor homology <BP1>
F;24-104/Domain: animal Kunitz-type proteinase inhibitor homology <BP2>
F;217-267/Domain: animal Kunitz-type proteinase inhibitor homology <BP3>
F;217-267/Domain: animal Kunitz-type proteinase inhibitor homology <BP3-263/Disulfide bonds: #F;417.Nibitory site: Arg (coagulation factor X) #status predicted F;135/Inhibitory site: Arg (coagulation factor X) #status predicted F;227/Inhibitory site: Arg (unidentified proteinase) #status predicted
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N;Alternate names: kinase-related transforming protein R-mil; R-mil proto-oncogene prote
C;Species: Rous-associated virus
A;Note: host Gallus gallus (chicken)
C;Date: 30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 09-Jul-2004
C;Accession: A40341
E;Felder, M.P.; Bychene, A.; Barnier, J.V.; Calogeraki, I.; Calothy, G.; Marx, M.
J. Virol. 65, 3633-3640, 1991
A;Title: Common mechanism of retrovirus activation and transduction of c-mil and c-Rmil
A;Reference number: A40341; MUID:91251215; PMID:1645786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Residues: 1-314 <WIL>
A;Cross-references: UNIPROT:Q23390; UNIPARC:UPI00007D293; EMBL:Z70038; PIDN:CAA93886.1;
A;Experimental source: clone ZK1067
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C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T27686
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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A;Residues: 1-450 <FEL>
A;Cross-references: UNIPROT:P27966; UNIPARC:UPI00001342F7; GB:M
C;Comment: This protein is translated as a mil-env polyprotein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CSQNE---YFDSLLHACIPCQLR-CSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein ZK1067.7 - Caenorhabditis elegans
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Pred. No. 1.4e+02;
0; Mismatches 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 48; DB 1; I
Pred. No. 1.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CGSCÓSSCOQTCPTCNCÓSAC 170
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23.9%;
Best Local Similarity 38.1%;
Matches 8; Conservative
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Best Local Similarity 31.6%;
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A,Introns: 30/3; 296/2
C,Superfamily: gliadin
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R;Bevan, M.; Bancroft, I.; Bent, E.; Love, K.; Goodman, H.; Dean, C.; Bergkamp, R.; Dirks P.; Wedler, H.; Wedler, E.; Wambutt, R.; Weitzenegger, T.; Pohl, T.M.; Terryn, N.; Giels avanabh, T.; Hempel, S.; Kotter, P.; Entian, K.D.; Rieger, M.; Schaeffer, M.; Funk, B. Nature 391, 485-488, 1998

A;Authors: Mueller-Auer, S.; Silvey, M.; James, R.; Montfort, A.; Pons, A.; Puigdomenech, erhoft, A.; Moores, T.; Jones, J.D.G.; Eneva, T.; Palme, K.; Benes, V.; Rechman, S.; Anst C.; Chalwatzis, N.
A;Title: Analysis of 1.9 Mb of contiguous sequence from chromosome 4 of Arabidopsis thal; A;Accession: E71427
A;Accession: E71427
A;Status: preliminary; nucleic acid sequence not shown; translation not shown
                                                                                                                                                                                                                                                                                                                                                     A Molecule type: DNA
A, Residues: 1-661 <BEV>
A, Creations: 1-661 <BEV>
C, Genetics: C, Genetics: A, Map position: 4COP9-4G3845
C, Superfamily: COBRA-like protein 7 precursor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A,Cross-references: UNIPARC:UPI0000179916; EMBL:U61947; PIDN:AAB03139.1; GSPDB:GN00022; (A,Experimental source: strain Bristol N2; clone C06G3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C;Accession: B53542
R;Podos, S.D.; Reddy, P.; Ashkenas, J.; Krieger, M.
J. Cell Biol. 127, 679-691, 1994
A;Title: LDLC encodes a brefeldin A-sensitive, peripheral Golgi protein required for A;Reference number: A53542; MUID:95050941; PMID:7962052
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C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999
C;Accession: T30098
R;Latreille, P.; Stellyes, L.
submitted to the EMBL Data Library, June 1996
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C;Species: Caenorhabditis elegans
C;Date: 25-Aug-1995 #sequence_revision 25-Aug-1995 #text_change 09-Jul-2004
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A;Introns: 47/2; 87/3; 152/2; 292/3; 427/2; 466/2; 549/2; 577/3
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Best Local Similarity 34.5%; Pred. No. 2.6e+02;
Matches 10; Conservative 3; Mismatches 16; Indels
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A; Accession: T30098
A; Status: preliminary; translated from GB/EMBL/DDBJ
A; Molecule type: DNA
A; Residues: 1-666 < LAT>
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ilarity 31.4%; Pred. No. 2.6e+02;
Conservative 6; Mismatches 12;
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EMFSEVLHQEIAQVSDVPKQYRWTKKSPPTTHSKY 533
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tes 11; Conserv
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A;Molecule type: mRNA
A;Residues: 1-681 <POD>
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                                                                                                                                                                                                                                                                                                                                           R; anonymous, The C. elegans Sequencing Consortium.
Science 282, 2012-2018, 1998
A; Title: Genome sequence of the nematode C. elegans: a platform for investigating biolog A; Reference number: A75000; MUID:99069613; PMID:9851916
A;Note: see websites genome.wustl.edu/gsc/C_elegans/ and www_sanger.ac.uk/Projects/C_ele A;Note: published errata appeared in Science 283, 1999; Science 283, 2103, 1999; and A;Accession: F88188
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C;Species: Arabidopsis thaliana (mouse-ear cress)
A;Variety: columbia
C;Date: 0-4ug-1998 #sequence_revision 03-Aug-1998 #text_change 05-Oct-2004
C;Accession: E71427
                                                                                                                                                                                                                                  protein C18H9.7 [imported] - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                adenosylhomocysteinase (EC 3.3.1.1) DKPZp564A1523 - human (fragment)
N;Alternate names: protein DKFZp564A1523.1
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Spate: i1-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 09-Jul-2004
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A;Molecule type: mRNA
A;Residues: 1-597 < vAMA
A;Residues: 1-597 < vAMA
A;Residues: 1-597 < vAMA
A;Residues: 1-594 < vAMA
A;Cross-references: UNIPROT: Q9UG84; UNIPARC: UPI000006FAA4; EMBL: AL049954
A;Experimental source: fetal brain; clone DKFZp564A1523
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C;Accession: T08681

**Asmabutr., R.; Heubner, D.; Mewes, H.W.; Gassenhuber, J.; Wiemann, Bubmitted to the Protein Sequence Database, May 1999
**A;Reference number: Z16469
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Pred. No. 2.4e+02;
4; Mismatches 19
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30.3%;
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Best Local Similarity 30.3%
                                                                 315 ALLHACIACSLK 326
                9 SLLHACIPCQLR 20
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Best Local Similarity
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A; Residues: 1-596 <STO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Status: preliminary
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C;Superfamily: subtilisin-like proteinase PACE4; subtilisin homology C;Keywords: glycoprotein; hydrolase; serine proteinase F;1-62/Domain: signal sequence #status predicted <SIG> F;3-149/Domain: propeptide #status predicted <PRO> F;196-434/Domain: subtilisin homology <SBT> F;196-434/Domain: subtilisin homology <SBT> F;398-954/Domain: hydrophobic cluster #status predicted <HCL> F;205,246,347,420/Active site: Asp, His, Asn, Ser #status predicted F;259/Binding site: carbohydrate (Asn) (covalent) #status predicted
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A;Title: A novel human PACE4 isoform, PACE4
A;Reference number: JC5570; MUID:97335942;
A;Accession: JC5571
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J. Biochem. 121, 941-948, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Species: Homo sapiens (man)
C;Date: 23-Sep-1997 #sequence_revision 23-Sep-1997 #text_change 09-Jul-2004
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A; Residues: 1-689 < GRO>
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A;Title: Maternal control of embryogenesis by MEDEA, a polycomb A;Reference number: Z25927; MUID:98212068; PMID:9545225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein MEDEA [imported] - Arabidopsis thaliana (Species: Arabidopsis thaliana (mouse-ear cress) (C;Date: 20-0ct-2000 #sequence revision 20-0ct-2000 )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Cross-references: GDB:131390; OMIM:167405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Gene: GDB: PACE4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Molecule type: mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cross-references: UNIPROT:P29122; UNIPARC:UP1000002B06F; DDBJ:D87994; NID:g2330550; P;
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                                                                                                     Similarity
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CSQNEYFDSLLHACIPCQLRCSSNTPP 27
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                                                                                                 Score 48;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 48;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 48; DB 2;
Pred. No. 2.7e+02;
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2.7e+02;
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                                                                                                 .6e+02;
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                                                                                                                                     Length 962;
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K;Kleter, M.C.; Tucker, J.E.; Joh, R.; Landsberg, K.E.; Saltman, D. DNA Cell Biol. 10, 757-769, 1991

A;Title: Identification of a second human subtilisin-like protease A;Reference number: A39490; MUID:92075167; PMID:1741956
A;Accession: A39490
A.Molecci A.
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                                                                                                                                                                                                                             A;Map position: 15q26-15q26
C;Superfamily: subtilisin-like proteinase PACE4; subtilisin homology
C;Keywords: alternative splicing; hydrolase; serine proteinase
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C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                  A; Molecule type: mRNA
A; Residues: 1-969 <KIE>
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                                          1 CSQNEYFDSLLHACIPCQLRCSSNTPP 27
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                                                                                                        Similarity
CEPGTYFDSELIRCGECHHTCGTCVGP 858
                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                              UNIPARC: UPI00001311D0; GB: M80482; NID: g189531;
                                                                                                 23.9%;
37.0%;
                                                                               1; Mismatches
                                                                                                     Score 48;
Pred. No.
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A;Map position: 15q26-15q26 (;Superfamily: subtilisin-like proteinase PACE4; subtilisin homology C;Superfamily: subtilisin-like proteinase PACE4; subtilisin homology C;Keywords: alternative splicing; glycoprotein; hydroplase; serine profit for fill status predicted color f;1-62/Domain: signal sequence #status predicted cPRO> f;63-149/Domain: propeptide #status predicted cPRO> f;196-434/Domain: hydrophobic cluster #status predicted cHCL> f;205,246,347,420/Active site: Asp, His, Asn, Ser #status predicted f;205,246,347,420/Active site: Asp, His, Asn, Ser #status predicted f;259/Binding site: carbohydrate (Asn) (covalent) #status predicted
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C;Date: 23-Sep-1997 #sequence_revision 23-Sep-1997 #text_change 09-Jul-2004
C;Accession: JC5570
R;Mori, K.; Kii, S.; Tsuji, A.; Nagahama, M.; Imamaki, A.; Hayashi, K.; Akamatsu, J. Biochem. 121, 941-948, 1997
A;Title: A novel human PACE4 isoform, PACE4E is an active processing protease con A;Reference number: JC5570; MUID:97335942; PMID:9192737
A;Accession: JC5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Cross-references: UNIPROT:P29122; UNIPARC:UPI000002B06E; DDBJ:D87993; NID:g2330548; PII A;Experimental source: brain cerebellum C;Comment: This enzyme is a processing protease and responsible for processing of various
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Cross-references: GDB:131390; OMIM:167405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ch it is retained intracellularly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Residues:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Status: nucleic acid sequence not shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Gene: GDB:PACE4
                                    Query Match
Best Local Similarity
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                                23.9%;
37.0%;
; Score 48; DB;
; Pred. No. 3.6e
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PACE4E is an active processing protease containing 5942; PMID:9192737
                                                                                      DB 2;
                                             .6e+02
                                                                         Length 975;
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A;Gene: Muc5A
F;45-149/Domai
F;762-830/Doma
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A;Title: Cloning of rat Muc5AC mucin gene: Comparison of its structure and tissue A;Reference number: JC5598; MUID:97396181; PMID:9245735
A;Accession: JC5598
                                                                                                                                                                                                                                                                                                                                                                                                            A;Molecule type: DNA
A;Residues: 1-1079 <DEZ>
A;Residues: 1-1079 <DEZ>
A;Cross-references: UNIPROT:P10533; UNIPARC:UPI0000171031; GB:X13744; NID:g61592; PIDN:Q
A;Cross-references: UNIPROT:P10533; UNIPARC:UPI0000171031; GB:X13744; NID:g61592; PIDN:Q
A;Marx, M.; Eychene, A.; Laugier, D.; Bechade, C.; Crisanti, P.; Dezelee, P.; Pessac, B.
EMBO J. 7, 3369-3373, 1988
A;Title: A noted oncogene related to c-mil is transduced in chicken neuroretina cells in A;Reference number: S01645; MUID:89091077; PMID:2850163
A;Accession: A36753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Molecule type: mRNA
A;Residues: 1-1034 <INA>
A;Residues: 1-1034 <INA>
A;Cross-references: UNIPROT:035888; UNIPARC:UPI00000E7779; GB:U83139; NID:g2315984; PIDN
A;Note: translation not complete
C;Comment: This protein is a high molecular weight glycoprotein which is a major compone ntestinal tract and reproductive tract.
A;Cross-references: UNIPARC:UPI0000172554
R;Eychene, A.; Marx, M.; Dezelee, P.; Calothy, G.
Nucleic Acids Res. 17, 1250, 1989
A;Title: Complete nucleotide sequence of IC10, a retrovirus containing the Rmil oncogene A;Reference number: S03832; MUID:89160254; PMID:2537952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Note: host Gallus gallus (chicken)
C;Date: 31-Mar-1991 #sequence_revision 16-Aug-1996 #text_change 09-Jul-2004
C;Accession: A43095; A36753; S01645; B36753; S03832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gag-Rmil-env polyprotein - avian retrovirus IC10
N;Contains: env polyprotein; gag polyprotein; protein kinase
C;Species: avian retrovirus IC10
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                                                                                                                                       A; Molecule type: DNA
A; Residues: 1013-1079 < MA3>
                                                                                                                                                                                          A; Molecule type: DNA
A; Residues: 646-1012 <MA2>
A; Cross-references: UNIPARC:UPI0000172554
A; Accession: B36753
                                                                                                                                                                                                                                                                                                     A;Molecule type: DNA
A;Residues: 513-645 <MAR>
A;Cross-references: UNIPARC:UPI0000172554
A;Accession: S01645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Reference number: A43095
A; Accession: A43095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          submitted to GenBank, December 1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R;Dezelee,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Status: nucleic acid sequence not shown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      762-830/Domain:
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42.4%; Pred. No. 3.
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A; Residues: 1-1203 < LAR>
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Best Local (
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8; Conserv
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C;Comment: This protein has many EGF repeats and lin-12/Notch repeats. C;Comment: This protein is one of the neurogenic proteins controlling (C;Comment): notch protein; ankyrin repeat homology; EGF homology F;143-174/Domain: EGF homology <EGX1>
F;482-513/Domain: EGF homology <EGF1>
F;560-591/Domain: EGF homology <EGF2>
F;674-705/Domain: EGF homology <EGF3>
F;674-705/Domain: EGF homology <EGF3>
F;836-867/Domain: EGF homology <EGF3>
F;836-867/Domain: EGF homology <EGF3>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 R;Lardelli, M.; Lendahl, U.
Exp. Cell Res. 204, 364-372, 1993
A;Title: Motch A and Motch B--two mouse Notch homologues
A;Reference number: A49175, MUID:93178563; PMID:8440332
A;Accession: A49175
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C;Comment: This virus arose by recombination between host Rmil and viral sequences during
C;Genetics:
                                                                                                                                                                                      laminin beta-2 chain precursor (version 1) - human
C;Species: Homo sapiens (man)
C;Date: 03-Mar-1995 #sequence_revision 03-Mar-1995 #text_change 17-Mar-1999
C;Accession: A55677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Species: Mus musculus (house mouse)
C;Date: 21-Jan-1994 #sequence_revision 05-Jan-1996 #text_change 05-Oct-2004
C;Accession: A49175; PH1570; S32113
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F;718-726/Region: protein kinase ATP-binding mo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Cross-references: UNIPROT:035516; UNIPARC:UPI000016CF1F; EMBL:X68279; NID:g287989;
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; Pred. No. 4.3e
4; Mismatches
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Pred. No. 3.9e+02;
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4.3e+02;
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RESULT 90
T25643
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F;347-407/Domain: laminin-type EGF-like homology <LE02>
F;410-467/Domain: laminin-type EGF-like homology <LE03>
F;410-467/Domain: laminin-type EGF-like homology <LE04>
F;470-519/Domain: laminin-type EGF-like homology <LE04>
F;522-552/Domain: laminin-type EGF-like homology <LE06>
F;783-828/Domain: laminin-type EGF-like homology <LE06>
F;783-828/Domain: laminin-type EGF-like homology <LE07>
F;837-924/Domain: laminin-type EGF-like homology <LE08>
F;927-924/Domain: laminin-type EGF-like homology <LE09>
F;927-924/Domain: laminin-type EGF-like homology <LE09>
F;937-924/Domain: laminin-type EGF-like homology <LE09>
F;957-982/Domain: laminin-type EGF-like homology <LE00>
F;957-982/Domain: laminin-type EGF-like homology <LE00+
                                                                                                                                                     RESULT 91
T51437
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A;Molecule type: mRNA
A;Residues: 1-1797 <W
                            hypothetical protein F2G14_40 - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress) C;Date: 18-Aug-2000 #sequence_revision 18-Aug-2000 #text_change 09-Jul-2004 C;Accession: T51437
                                                                                                                                                                                                                                                                              밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Introns: 28/1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Status: preliminary; translated from GB/EMBL/DDBJA;Molecule type: DNAA;Residues: 1-249 <MIL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Reference number:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     submitted to the EMBL Data Library, Februa A:Description: The sequence of C. elegans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        R;Miller,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C; Accession: T25643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hypothetical protein C46H11.9 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #te
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F;1094-1139/Domain: laminin-type EGF-like homology <LE12>
F;1142-1186/Domain: laminin-type EGF-like homology <LE13>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Map position:
C; Superfamily: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Experimental source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Accession: T25643
   R;Sato,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Superfamily: Caenorhabditis elegans hypothetical protein F48G7.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;Cross-references: UNIPROT:Q9GYJ2; UNIPARC:UPI0000081DC5;
;Experimental source: strain Bristol N2; clone C46H11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Map position: 3p21.3-3p21.2;Superfaminy: BGF-like homology;Superfamily: laminin beta-1 chain; laminin-type
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cross-references: UNIPARC:UPI0000177436; GB:X79683
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S.; Nakamura, Y.; Kaneko,
                                                                                                                                                                                                                                                                                                                                                                                                                                 Local
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Data Library, February 1997
- elegans cosmid C46H11.
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26.9%;
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T.; Kato,
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 47.5;
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homology <LE06>
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   T.; Asamizu,
                                                                                                                                                                                                                                                                                                                                                                                                                                 1.3e+02;
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   E.; Kotani,
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   H.; Tabata,
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   S.; Mew
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A;Cross-references: SGD:S0005907
A;Map position: 15R
C;Keywords: transmembrane protein
F;15-51/Domain: GAL4 zinc binuclear cluster homology <GAL4>
F;204-220/Domain: transmembrane #status predicted <TMM>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPROT:p36992; UNIPARC:UPI000012594A; EMBL:X63762; NID:g64233; PIDN: C;Superfamily: alpha-1-microglobulin and inter-alpha-trypsin inhibitor light chain precui F;37-189/Domain: lipocalin homology <LIP-F;236-286/Domain: animal Kunitz-type proteinase inhibitor homology <BP1>F;292-342/Domain: animal Kunitz-type proteinase inhibitor homology <BP2>
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A;Reference number: Z25394
A;Accession: T51437
A;Status: preliminary
                                                                                                                                             A;Molecule type: DNA
A;Residues: 1-546 <DEL>
A;Cross-references: UNIPROT:008904;
A;Experimental source: strain S288C
                                                                                                                                                                                                                                                                                                              probable membrane protein YOR380w - yeas N;Alternate names: hypothetical protein C;Species: Saccharomyces cerevisiae C;Date: 12-Unl-1996 #sequence revision 1 C;Accession: S67292
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S67292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gamma-1-microglobulin precursor - plaice
C;Species: Pleuronectes platessa (plaice)
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999
C;Accession: S22181
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A; Introns: 17/3; 3
A; Note: F2G14_40
                                                                                                                           A; Experimental C; Genetics:
                                                                                                                                                                                                                                 A; Reference number: S67261
A; Accession: S67292
                                                                                                                                                                                                                                                                           submitted to the Protein Sequence Database, July 1996
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A; Residues: 1-275 < SAT >
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A;Residues: 1-355 <LEA>
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A; Accession: S22181
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                                                                                                       A;Gene: MIPS:YOR380w
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J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CSQNEYFDSLLHACIPCQLRCSSNTPPLT
                                                                                                                                                                                                                                                                                               Hebling, U.; Hofmann,
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Pred. No. 1.
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Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                 B
                                                                                                                                                                                                                                                                                                                                                                                yeast (Saccharomyces
tein 06749
                                                                                                                                                                     UNIPARC:UPI000006A54E; EMBL:Z75288; NID:g1420818; PII
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R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K., ansen, N.F.; Hughes, B.; Huizar, L.

Nature 408, 816-820, 2000
A.; Allonson: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C. C.A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Lucos, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.

A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, Ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Wuther, J.C.; Davis, R.W.

A;Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.

A;Accession: D86236.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPROT:Q26352; UNIPARC:UPI000007EA10; GB:S69833; NID:g546392; PID: C;Superfamily: kexin; subtilisin homology C;Keywords: hydrolase; serine proteinase C;Keywords: hydrolase; serine proteinase F;159-397/bomain: subtilisin homology <SBT>
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                                                                                                                                                                                                                                            A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-1188 <STO>
A;Cross-references: UNIPROT:Q9SY59; UNIPARC:UPI00000529F8; GB:AE005172; NID:g4914319; PI
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A; Residues: 1-837 <SMI>
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N;Alternate names: furin homolog
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                                                                                                                                                                                                        Gene:
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BBS Lett. 343, 27-31, 1994
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15; Conserv
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9; Conser
CGQHS-CESICHSGHCPPCLEMIFTDLTCACGRTSIPPPLSC 651
                                         CSQNEYFDSLLHA--CIPC----QLRC----SSNTPPLTC 30
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                                                                                      Conservative
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llarity 37.5%;
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Pred. No. 3.6e+02;
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Pred. No. 2.5e+02;
4; Mismatches 8;
                                                                                                          Score 47.5; DB 2;
Pred. No. 4.9e+02;
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A; Map position: 3p21.3-3p21.2

C; Supperfamily: laminin beta-1 chain; laminin-type EGF-like homology C; Keywords: basement membrane; extracellular matrix; glycoprotein; hetc F; 1-3z/Domain: signal sequence #status predicted <SIG>F; 1-3z/Domain: signal sequence #status predicted <MAT>F; 33-1798/product: laminin beta-2 chain #status predicted <MAT>F; 33-1798/product: laminin beta-2 chain #status predicted <MAT>F; 347-407/Domain: laminin-type EGF-like homology <LE00>F; 410-467/Domain: laminin-type EGF-like homology <LE00>F; 410-467/Domain: laminin-type EGF-like homology <LE00>F; 470-519/Domain: laminin-type EGF-like homology <LE00>F; 831-894/Domain: laminin-type EGF-like homology <LE00>F; 831-874/Domain: laminin-type EGF-like homology <LE00>F; 831-874/Domain: laminin-type EGF-like homology <LE00>F; 877-924/Jomain: laminin-type EGF-like homology <LE00>F; 927-983/Domain: laminin-type EGF-like homology <LE00>F; 986-1035/Domain: laminin-type EGF-like homology <LE10>F; 986-1035/Domain: laminin-type EGF-like homology <LE10
A;Introns: 400/2; 1608/3; 1644/1; 1674/3; 1686/2; 1731/2; 2073/1; 2098/2; F;15-49/Domain: LDL receptor ligand-binding repeat homology <LDL1> F;51-85/Domain: LDL receptor ligand-binding repeat homology <LDL2> F;90-132/Domain: LDL receptor ligand-binding repeat homology <LDL3> F;149-185/Domain: LDL receptor ligand-binding repeat homology <LDL4> F;149-185/Domain: LDL receptor ligand-binding repeat homology <LDL4> F;190-225/Domain: LDL receptor ligand-binding repeat homology <LDL5> F;289-272/Domain: LDL receptor ligand-binding repeat homology <LDL6> F;285-316/Domain: LDL receptor ligand-binding repeat homology <LDL6> F;285-316/Domain: LDL receptor ligand-binding repeat homology <LDL7>
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A; Residues: 1-2180 < DUZ>
A; Cross-references: UNIPROT: 001768; UNIPARC: UPI000017BBD1; EMBL: AF003133; PIDN: AAB54138.1
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C;Date: 27-Oct-1995 #sequence_revision 23-Feb-1996 #text_change 09-Jul-2004
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C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
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A; Cross-references: UNIP
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Matrix Biol. 14, 489-497, 1994
A;Title: The human laminin beta-2 chain (S-laminin): structure, expression in fetal tissu
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                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Gene: CESP:T21E3.3
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Pred. No. 7e+02;
4; Mismatches 10;
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F;323-359/Domain: LDL receptor ligand-binding repeat homology <LD18>
F;369-405/Domain: LDL receptor ligand-binding repeat homology <LD19>
F;816-855/Domain: LDL receptor ligand-binding repeat homology <LD10>
F;861-903/Domain: LDL receptor ligand-binding repeat homology <LD10>
F;861-903/Domain: LDL receptor ligand-binding repeat homology <LD11>
F;908-943/Domain: LDL receptor ligand-binding repeat homology <LD12>
F;908-943/Domain: LDL receptor ligand-binding repeat homology <LD12>
F;908-943/Domain: LDL receptor ligand-binding repeat homology <LD13>
F;908-1027/Domain: LDL receptor ligand-binding repeat homology <LD15>
F;1126-1165/Domain: LDL receptor ligand-binding repeat homology <LD15>
F;1172-1209/Domain: LDL receptor ligand-binding repeat homology <LD16>
F;1172-1209/Domain: LDL receptor ligand-binding repeat homology <LD17>
F;1213-1246/Domain: LDL receptor ligand-binding repeat homology <LD18>
                                                                                                                                                                                    R:Barlow, K.
submitted to the EMBL Data Library,
A;Reference number: 219669
A;Accession: T23064
A;Accession: T23064
                                                                                                                                                                                                                                                                                                                                                                                  hypothetical protein T22A3.8 - Caenorhabditis elegans (fragment) C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004 C;Accession: T23064; T25096
                           A;Status: preliminary; translated from A;Molecule type: DNA A;Residues: 1-2823 «WIL» A;Residues: 1-2823 «WIL» (NIPROT:045614; UNIPROT:045614; 
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A;Residues: 1-2823 <ST2>
A;Cross-references: UNIPARC:UPI000017743C; GB:chr_I; PIDN:CAB03385.1; PID:g3924881; GSPD
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A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-2823 <STO>
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Science 282, 2012-2018, 1998
A;Title: Genome sequence of the nematode C. elegans: a platform for investigating A;Reference number: A75000; MUID:99069613; PMID:9851916
A;Note: see websites genome.wustl.edu/gsc/C_elegans/ and www sanger.ac.uk/Projects
A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 199
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Pred. No. 8.3e
4; Mismatches
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                                         UNIPARC: UPI000017743C; EMBL: AL008585; PIDN: CAA15432
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laminin alpha chain - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 11-Jan-2000 #sequence_revision 11-Jan-2000 #text_change 09-Jul-2004
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A;Reference number: Z19980
A;Accession:-T25096
A;Status: preliminary; translated from GB/EMBL/DI
A;Molecule type: DNA
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                                                                                                                                                    A;Note: lama1/2 C;Superfamily: laminin alpha-1 chain; laminin G repeat homology; laminin-type EGF-like
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A;Introns: 45/1; 282/2; 312/3; 416/2; 1255/3; 1329/3; 1418/3; 1776/2; 1988/2;
C;Superfamily: laminin alpha-1 chain; laminin G repeat homology; laminin-type
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A; Residues: 1-3102 < ZI
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A; Cross-references: UNIPARC: UPI000017743C;
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                                                                                                  Local Similarity
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                                                                                                Score 47.5; DB 2;
Pred. No. 1.1e+03;
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Pred. No. 1e+03;
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                                        -QLRCSSNTPPLTCQR
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cytostatic; B cell maturation protein; BCMA, tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HTV; systemic lupus erythematosus; cancer; rheumatoid arthritis; atherosclerosis.
                                                                                          WPI; 2002-066686/09
activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor family
                     Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by
                                                                                                                                                                                                                                                                                                                    14-MAY-2001; 2001WO-US015567.
                                                                                                                                                                               (AMGE-) AMGEN INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B-cell maturation (BCMA) protein cysteine-rich consensus region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         transmembrane activator and intracellular CAML interactor; TACI; atic; B cell maturation protein; BCMA; tumour necrosis factor; TN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             standard; peptide;
                                                                                                                                                                                                                          ; 2000US-0204039P.
; 2000US-0214591P.
; 2001US-00214591.
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Aae06591
Adm04769
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Aab50523
Adj96164
Aae24075
Aae24079
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Aae240736
Adx90733
Ady30733
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14-JAN-2002;
07-FEB-2002;
13-AUG-2002;
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; 2002US-0348962P.
; 2002US-0354966P.
; 2002US-0403364P.
                                                                       JEWISH MEDICAL
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RESULT 1 AAE15486

Human 12-MAR-2002 AAE15486; AAE15486

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The invention relates to a method for inhibiting TACI (transmembrane cc activator and intracellular CAML interactor) and/or B cell maturation protein (BCMA) activity in a mammal. The method comprises administering a specific binding partner for ARRI (670, a tumour necrosis factor-TNF cc family ligand), having the consensus region of TACI, BCMA, or the TACI/C BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI cc gastrointestinal, pancreatic or prostate tumour april garchal or T-cell cc lymphoproliferative disorders, one or more solid tumours such as lung, cc gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI cc diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic cc disease), drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimune disease (miltiple cc sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, cc bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer cc is human BCMA protein cysteine-rich consensus region
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Length
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ADA49366 standard; peptide; 34 AA CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC CSQNEYFDSLLHACIPCOLRCSSNTPPLTCORYC Conservative 100.0%; 0, Score Pred. Mismatches 201; DB 5; No. 3e-18; 34 0 Indels 0 Gaps

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antithyroid; antipyretic; nephrotropic; vasotropic; vaccine; autoimmune disease; rheumatoid arthrit; systemic lupus erythematosus; insulin dependent diabetes mellitus; multiple sclerosis; myasthaenia gravis; Grave's disease; autoimmune hemolytic anaemia; autoimmune thrombocytopenic purpura; Goodpasture's syndrome; pemphigus vulgaris; acute rheumatic fever; post-streptcococal glomerulonephritis; polyarteritis nodosa; BCMA; CRD cysteine rich domain. TALL-1; antagonist; immunosuppressive; antirheumatic; antiinflammatory; antiarthritic; dermatological; antidiabetic; neuroprotective; polyarteritis nodosa; BCMA; CRD

WO200187979-A2

Homo sapiens.

12-MAY-2000; 27-JUN-2000; 14-MAY-2001;

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2002WO-US034376

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                                                            New tumor necrosis factor receptor (TNFR) polypeptides, useful as detecting ligands, and for modulating tumor growth, metastasis and immunity, such as separating resting from stimulated immune cells
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                                                                                                                                                                                                  WPI; 2005-315682/32
                                                                                                                                                                                                                                                                                                                                                                                          16-OCT-2003;
18-OCT-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-OCT-2004; 2004WO-US034375
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2004US-0619552P.
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Pred. No. 3e-18;
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Disclosure; SEQ ID NO 9; 132pp; English

The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturatio

(BCMA) activity in a mammal.

The method

comprises

administering

Claim 1; Fig 10A; 94pp; English.

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RESULT 4
AAE15485
\texttt{CCCCX} \texttt{SX} \texttt{XPPPP} \texttt{YX} \texttt{XX} \texttt{XX
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                                                                                                                                                                                                                                                                                                                                      Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Theill LE,
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27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-066686/09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; transmembrane activator and intracellular CAML interactor; TACI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human B-cell maturation (BCMA) protein extracellular domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-MAR-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 40 AA;
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Pred. No. 3.5e-18;
D; Mismatches 0;
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RESULT 5
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                  New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, usefu for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and
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                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 21; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2005-555932/56.
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Pred. No. 4.5e-18;
; Mismatches 0;
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lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systematics are such as the second systematics. The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The

systemic

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RESULT 6
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Best Local
                                                                                                                                                                    The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TNF family ligand), having the consensus region of TACI, BCMA, or the TACI/BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell lymphoproliferative disorders, one or more solid tumours such as lung, gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI articonists are useful for treating and immune function
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27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
                           disease), drug and (Crohn's disease,
                                                                                   antagonists are useful for treating inflammation and immune function diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic dermatitis, respiratory allergic disease (asthma, hypersensitivity lung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TN lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreati prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;
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Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis;
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drug and insect sting allergy, inflammatory bowel disease, colitis), scleroderma, autoimmune disease, rheumatoid arthritis, systemic lupus erythematosu
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Pred. No. 4.6e-18;
Mismatches 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; ECMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence is human BCMA cysteine-rich extracellular region
protein (BCMA) activity in a mammal. The method comprises a specific binding partner for APRII (G70, a tumour necrosis family ligand), having the consensus region of TACI, BCMA, BCMA extracellular consensus sequence, but not the extracel
                                                                                                                                                    Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor fa
                                                                                                                                                                                                                                                                                                         12-MAY-2000; 2000US-0204039P
27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                             activator and
                                                                                                          Disclosure; Fig 10A; 94pp; English.
                                                                                                                                                                                                                    WPI; 2002-066686/09
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34; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      arthritis; atherosclerosis
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                                         relates to a method for inhibiting TACI (transmembrane intracellular CAML interactor) and/or B cell maturation activity in a mammal. The method comprises administrating
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "Cysteine-rich consensus region;
specifically claimed as SEQ ID NO: 7 in
specification"
52. .72
/label= Transmembrane_domain
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Pred. No. 5.1e-18;
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 region of TACI, BCMA, or the TACI/
e, but not the extracellular region
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                 factor-TNF
or the TACI/
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Best Local S
Matches 34
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                                                                                                                                                                                                                                                                                                   Identifying a modulator of gene expression for drug designing, by contacting a compound library with a cell expressing an anti-cell gene and reporter gene, and determining alteration in reporter gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BCMA; necrosis factor-kB activator; NF-kB; gene expression; cancer; anti-cell death gene; apoptosis; viral infection; inflammatory response; rheumatoid arthritis; inflammatory bowel disease; septic shock.
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                                                                                                                                                                                                                        Claim 32;
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                                                                                                                                                                                                                        53pp; English
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Pred. No. 1.6e-17;
; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                        death
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The present sequence represents a BCMA (not defined) polypeptide. BCMA is a necrosis factor (NF)-kB activator. The method of the invention is used to identify compounds which modulate BCMA activity (and thus NF-kB activity). The specification describes a method of identifying a polypeptide which increases gene expression from a promoter. The method involves contacting a library of with a cell which expresses a recombinant anti-cell death gene and a reporter gene operably linked to

polypeptide. BCMA is

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RESULT 9
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                systemic lupus erythematosus; myasthenia gravis; multiple sclerosis; rheumatoid arthritis; asthma; bronchitis; emphysema; pyelonephritis; end stage renal failure; glomerulonephritis; vasculitis; nephritis; renal neoplasm; multiple myeloma; lymphoma; light chain neuropathy; immune response; immunosuppression; graft rejection; joint pain; graft versus host disease; inflammation; swelling; anaemia; septic shock; insulin dependent diabetes mellitus; Crohn's disease; hypertension; renal artery stenosis; occlusion; cholesterol; renal emboli.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 184 AA;
                                 protein) re
                                                                                                   related to transmembrane activator and CAML-interactor (TACI) receptor TACI is a tumour necrosis factor (TNF) receptor. The extracellular domains of BR43x2 (an isoform of TACI), TACI or BCMA (a related B cell
                                                                                                                                                                                                                                                                                                                                              Inhibiting ztnf4 activity in a mammal, to treat autoimmune diseases, renal disease, graft versus host disease, and inflammation, comprise administering a BR43x2, TACI or BCMA extracellular domain polypeptid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; BR43x2; TACI receptor; extracellular domain; BCMA; B ctransmembrane activator and CAML-interactor; tumour necrosis
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                                                                                                                                                                                                                                                                                       Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-JAN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ztnf4 activity; antibody production; autoimmune disease; amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (ZYMO ) ZYMOGENETICS
                                                                                                                                                                                                              present sequence represents a human BCMA protein, a B cell protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2000-452538/39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BCMA
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                             receptor contain a cysteine rich domain, and are used for ng ztnf4 activity. Ztnf4 is a TNF ligand. They may also be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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                                                                                                                                                                                                                                                                            Page 152; 175pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein,
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Pred. No. 1.6e-17;
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sis factor; TNF;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      with activated or resting B lymphocytes, effector T-cells, or with antibody production. The antibody production is associated with an autoimmune disease selected from systemic lupus erythematosus, mysathenia gravis, multiple sclerosis and rheumatoid arthritis. The ztnf4 activity and BR43x2, TACI or BCMA receptor-ligand engagement is associated with asthma, bronchitis, emphysema, end stage renal failure, glomerulonephritis, vasculitis, nephritis, pyelonephritis, renal neoplasms, multiple myelomas, lymphomas, light chain neuropathy, amyloidosis, moderating immune response, immunosuppression, graft rejection, graft versus host disease, joint pain, swelling, anaemia, or septic shock. BR43x2, TACI, and BCMA polypeptides, fusions, antibodies, agonists or antagonists can be used to treat hypertension, renal artery stenosis, or occlusion, and cholesterol or renal emboli
The invention relates to methods of using one or more agonists or antagonists to modulate the activity of the members of TNF (tumour necrosis factor) especially TALL-1, APRIL and TNF receptor (TNFR) e.g. TACI or BCMA. The method is useful for treating pathological conditions or diseases associated with increased TALL-1 and APRIL expression or activity. TALL-1 and APRIL antagonists are used to block the interaction between APRIL and TALL-1 with TACI or BCMA. They are useful for treating
                                                                                                                                                                                 Inhibiting or neutralizing TALL-1 or APRIL polypeptide biological activity, for treating autoimmune disorders and cancer, comprises exposing the cells to TALL-1 or APRIL polypeptide agonists or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; TNF; tumour necrosis factor; TALL-1; APRIL; TNF receptor; TNFR; TACI; BCMA; therapy; cancer; leukaemia; myeloma; lymphoma; autoimmune disease; rheumatoid arthritis; multiple sclerosis; psoriasis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human BCMA protein
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                                                                                                                                  Example
                                                                                                                                                                  antagonists.
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                                                                                                                                                                                                                                                                         WPI;
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22-AUG-2000;
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                                                                                                                                                                                                                                                                                                                        Ashkenazi
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                                                                                                                                                                                                                                                                                                                      AJ,
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2000US-0226986P
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                                                                                                                                    2; 160pp; English
                                                                                                                                                                                                                                                                                                                    Dodge KH,
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RESULT 11
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Best Local
The present invention relates to Tumour necrosis factor (TNF) and Apolrelated Leucocyte expressed Ligand 1 (TALL-1) nucleic acid molecules, proteins (including homologues), and their antibodies. The invention in particular relates to methods for regulating the interaction between TALL-1 and TALL-1 receptors (BCMA referred as B cell maturation factor) to regulate monocyte, macrophage and B lymphocyte mediated immune responses. TALL-1 protein is useful for identifying compounds that regulate B lymphocyte proliferation. It is also useful for treating B lymphocyte associated autoimmune disorders like rheumatoid arthritis, systemic lupus erythematosus (SLE), insulin dependent diabetes mellitus, multiple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Thmour necrosis factor and ApoL-related Leucocyte expressed Ligand 1; therapy; autoimmune disorder; rheumatoid arthritis; multiple sclerosis; systemic lipus erythematosus; SLE; insulin dependent diabetes mellitus; thrombocytopenia purpura; acute rheumatic fever; Goodpasture's syndrome; haemolytic anaemia; Grave's disease; myasthenia gravis; chromosome 16; post-streptococcal glomerulonephiritis; polyarteritis nodosa; BCMA; B cell maturation factor; pemphigus vulgaris; B-lymphocyte proliferation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a mammal suffering from cancer such as leukaemia, lymphoma, myeloma, cancers of lung and colon and autoimmune diseases e.g. rheumatoid arthritis, multiple sclerosis, psoriasis and lupus erythematosus. The present sequence is human BCMA protein
                                                                                                                                                                                                                                                                                                                                                                                                            Isolated TALL-1 protein is used to identify compounds that regulate lymphocyte proliferation, used to treat B lymphocyte associated autoimmune disorders.
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N-PSDB; AAD02125.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; Tumour Necrosis Factor; TNF; immunosuppressant; TALL-1;
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                                                                                                                                                                                                                                                                                                                                              37; Page 104-105; 112pp; English.
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2000US-0201012P.
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Pred. No. 1.6e-17;
; Mismatches 0;
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RESULT 12
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Best Local
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11-FEB-2000;
18-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sclerosis, myasthenia gravis, Grave's disease, autoimmune haemolytic anaemia, autoimmune thrombocytopenia purpura, Goodpasture's syndrome, pemphigus vulgaris, acute rheumatic fever, post-streptococcal glomerulonephritis, or polyarteritis nodosa. The TALL-1 protein and its corresponding nucleic acid sequence are also useful in diagnostic assays. The present sequence is a human B cell maturation factor (BCMA) protein. It is the receptor for TALL-1 protein. BCMA gene is located on chromosome 16. In human tissues, BCMA is expressed by spleen and lymph nodes but not by brain, muscle, heart, lung, kidney, pancreas, testis and placenta. BCMA mENA is absent in the pro-B lymphocyte stage but its expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human BAFF-R; BAFF receptor; TNF family; immunoregulatory agent; immune-related disorder; B-cell growth inhibitor; BCMA; B-cell maturation inhibitor; immunoglobulin production inhibitor; autoimmune disorder; B-cell lymphoproliferative disorder; hypertension renal disorder; immunosuppressive disorder; HIV infection; organ transplantation; antiinflammatory; systemic lupus erythematosus; autoimmune haemolytic anaemia; Grave's disease; multiple myeloma; B-cell carcinoma; leukaemia; rapidly progressive glomerulonephritis;
                                                        Claim 20;
                                                                                  Inhibiting dendritic cell-induced B-cell growth, maturation and B-cell lympho-proliferative disorder by administering BAFF-receptor polypeptide, chimeric molecule comprising receptor or anti-BAFF-R antibody homolog.
                                                                                                                                             N-PSDB;
                                                                                                                                                           WPI;
                                                                                                                                                                                                    Mackay F,
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                                                                                                                                                                                     Thompson
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     lymphoma; gene therapy; cancer;
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DB; AAF59998.
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                                                                                                                                                                                                                                               BIOGEN
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2000US-0181684P.
2000US-0183536P.
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Pred. No. 1.6e-17;
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                                                                                                                                                                                                    Tschopp J,
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                                                                                                                                                                                                      Schneider
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The invention relates to the use of a BAFF receptor (BAFF-R, as BCMA) protein, or a BAFF-R fusion protein as an agent for treatment of a variety of immune-related disorders. BAFF-R i

an agent for the ers. BAFF-R is a

also known

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RESULT 13
AAE00506
ID AAE00
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11-FEB-2000;
30-JUN-2000;
                           Treating a mammal for a condition associated with undesired cell proliferation such as cancer or carcinoma, comprises administering composition comprising A Proliferation Inducing Ligand Receptor (AF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             B-cell lympho-proliferative disorder; BCM; immunosuppressive disease; organ transplantation; HIV; human immunodeficiency virus; TNF; tumour necrosis factor; BCMA; B cell maturation protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; A Proliferation Inducing Ligand Receptor; APRIL-R; cytostatic; gene therapy; cancer; nephrotropic; renal disorder; autoimmune disease; carcinoma; lung; colon; breast; prostate; Grave's disease; hypertension; systemic lupus erythematosus; SLE; inflammation; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human B cell maturation protein (BCMA).
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                                                                                                                                                                                                                     WPI; 2001-266242/27.
                                                                                                                                                                                                                                                                                               Schneider P,
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2000US-0181807P.
2000US-0215688P.
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                           Receptor (APRIL-R)
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   carcinoma e.g. human lung carcinoma, colon carcinoma, breast carcinoma, prostate carcinoma, and other carcinomas whose proliferation is modulated by APRIL. It is also useful for treating autoimmune diseases (Grave's disease, systemic lupus erythematosus-SLE); hypertension, cardiovascular diseases, renal disorders, B-cell lympho-proliferative disorders, immunosuppressive diseases, organ transplantation, inflammation and human immunodeficiency virus (HIV), and for treating, suppressing or altering an immune response involving a signalling pathway between APRIL-R and its ligand. APRIL-R DNA is also useful in gene therapy. The present sequence is human APRIL-R also referred as BCMA or BCM protein
                                                                                                                                                                                                                                  07-NOV-2000; 2000US-0246449P.
20-DEC-2000; 2000US-0257131P.
28-JUN-2001; 2001US-0301715P.
29-AUG-2001; 2001US-0315565P.
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                                      WPI; 2002-508212/54
                                                                                                      Gross JA,
                                                                                                                                                                                                                                                                                                                                                                                                            05-NOV-2001; 2001WO-US047018.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-MAY-2002.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      graft-versus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human BCMA receptor related protein SEQ ID NO:7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABB81487 standard; protein; 184 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 184 AA;
                                                                                                                                                                         (ZYMO ) ZYMOGENETICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 3; Fig 3A; 85pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        mmunosuppressive; dermatological; antiinflammatory; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ztnfr12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            æ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                   Σ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tumour necrosis factor receptor; cytostatic;
                                                                                                          Henne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               disease; graft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
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                                                                                                          굕
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                                                                                                      Grant
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Pred. No. 1.6e-17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rejection; Crohn's disease
                                                                                                          Ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               41
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        designated Zthfr12 (I). (I) has cytostatic, immunosuppressive, CC dermatological, antiinflammatory, neuroprotective, antidiabetic, CC antirheumatic, antiarthritic, antiasthmatic, nephrotropic and hypotensive CC activities, and can be used in gene therapy. (I) can be used for CC (inhibiting, in a mammal, the activity of a ligand that binds Zthfr12 (e.g. ZTNF4), for treating disorders and diseases associated with B CC lymphocytes, activated B lymphocytes or resting B lymphocytes, and for CC inhibiting the proliferation of tumour cells. (I) is useful for treating CC autoimmune disorders such as systemic lupus erythematosus, myssthenia CC gravis, multiple sclerosis, insulin dependent diabetes mellitus, asthma, CC remal disease such as glomerulonephritis, vasculitis, chronic lymphoid CC remal disease such as glomerulonephritis, vasculitis, chronic lymphoid CC neoplasms, multiple myelomas, lymphomas, light chain neuropathy, or CC amyloidosis, hypertension, large vessel diseases, graft-versus host CC disease, graft rejection and Crohn's disease. (I) is useful for CC development, for modulating development of other cells, antibody prosent sequence represents a protein which is given to the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
               WPI; 2002-698677/75.
N-PSDB; ABQ81560.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel isolated human tumor necrosis factor receptor polypeptide, termed Ztnfr 12, useful for treating autoimmune disorders, emphysema, end stage renal failure or renal disease and lymphoma.
                                                          Mack DH,
                                                                                                                                                  27-FEB-2001;
02-APR-2001;
                                                                                                                                                                                                                                                          WO200268677-A2
                                                                                                                                                                                                                                                                                                                  diagnosis; gene
                                                                                                                                                                                                                                                                                                                                                                Metastatic
                                                                                                                                                                                                                                                                                                                                                                                              30-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABP54694 standard; protein; 184 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure;
                                                                                                                                                                                               27-FEB-2002; 2002WO-US006001
                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                         (EOSB-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pocar
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                      EOS BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                           Markowitz SD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                                                                                                                                                                                                                                                              colorectal cancer-associated polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Page 135-136; 154pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention describes a human tumour necrosis factor receptor
                                                                                                                                     2001US-0272206P.
2001US-0281149P.
2001US-0284555P.
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                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                  therapy; vaccine
                                                                                                                                                                                                                                                                                                                                  metastasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 201; DB 5;
Pred. No. 1.6e-17;
                                                                                                                                                                                                                                                                                                                                    differential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
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                                                                                                                                                                                                                                                                                                                                    expression;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 184;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                  cytostatic;
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ARESULT 16
ARAE28961
IID ARE28
AC AAE28
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is the protein sequence of a human polypeptide encoded by a gene that exhibits decreased expression in colon cancerderived metastases compared to normal colon tissue. It is an example of claimed polypeptides that are encoded by genes which are differentially expressed in metastatic colorectal cancer cells. Such polypeptides are useful in diagnostic and prognostic assays, for raising antibodies useful e.g. in immunotherapy, and in screening for modulator compounds of
                      B-cell maturation antigen and transmembrane activator and calcium modulator and cyclophilin ligand-interactor, useful for treating disorders e.g. inflammation or lymphoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; tumour; B-cell maturation antigen; transmembrane activator; calcium-modulator; cyclophilin ligand-interactor; TACI; gene therapy; neoplasm; chronic lymphocytic leukaemia; lymphoproliferative disease; non-Hodgkin's lymphoma; light chain gammopathy; inflammation; asthma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New genes that are up- or down-regulated in colorectal cancer, useful for diagnosing colorectal cancer in a subject, or for identifying modulators of colorectal cancer-associated proteins and genes for treating
                                                                                                                                   N-PSDB;
                                                                                                                                                                                                                                                                                                                            20-FEB-2001;
12-APR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                            06-FEB-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BCMA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human B-cell
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  therapeutic value
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           colorectal cancer.
                                                                                                                                                                                                                   Kindsvogel
                                                                                                                                                                                                                                                                         ( OMYZ)
                                                                                                                                   2002-723183/78.
DB; AAD46410.
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                                                                                                                                                                                                                                                                         ZYMOGENETICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                          2001US-0270274P.
2001US-0283447P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      maturation antigen
                                                                                                                                                                                                                                                                                                                                                                                                            2002WO-US003500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      myeloma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Cysteine rich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Extracellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Antigenic epitope"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     184
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 201; DB 5;
Pred. No. 1.6e-17;
; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 184;
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The invention relates to fusion proteins comprising transmembrane activator and calcium modulator and cyclophilin ligand-interactor (TACI) receptor group that binds tumour necrosis factor-like protein (ZTNF)2 or ZTNF4; and an immunoglobulin group comprising a constant region of an
mmunoglobulin. The invention
    18
    used to manufacture
    medicament
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The invention relates to a novel TALL-1 antagonist protein, comprising a sequence that differs from SEQ ID NO:2, or amino acids 134-285 of SEQ ID NO:2, by at least one modification in the region connecting &bgr; strands D and E that reduces the biological activity of the TALL-1 antagonist as compared to wild-type TALL-1. A protein of the invention has

antirheumatic, antiinflammatory, antiarthritic

ımmunosuppressive,

Claim 62; Page

613; 618pp; English.

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ARESULT 17
ARAB35216
ID ARAB35
AC AR
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TACI; tumour necrosis factor-like protein; ZTNF2; ZTNF4; immunoglobulin anaemia; gene therapy; cytostatic; antiinflammatory; immunosuppressive; glomerulonephritis; asthma; bronchitis; graft rejection; septic shock; dermatological; neuroprotective; cyclophilin ligand-interactor; human; autoimmune disease; systemic lupus erythematosus; multiple sclerosis; diabetes mellitus; rheumatoid arthritis; renal disease; inflammation;
                                                                                                                                                                                                                              Transmembrane activator and calcium modulator and cyclophilin interactor (TACI)-immunoglobulin fusion protein, for treating diabetes, comprises a TACI receptor group and an immunoglobulin
                                                                                                                                                                                                                                                                                                                                                     N-PSDB;
                                                                                                                                                                             Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Transmembrane activator; calcium modulator; nephrotropic; antibacterial; TACI; tumour necrosis factor-like protein; ZTNF2; ZTNF4; immunoglobulin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human B-cell maturation receptor (BCMA) protein.
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Pred. No. 1.6e-17;
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14-JAN-2002;
07-FEB-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   human; TALL-1; antagonist; immunosuppressive; antirheumatic; antiinflammatoxy; antiarthritic; dermatological; antidiabetic; neuroprotective; antithyroid; antipyretic; nephrotropic; vasotropi vaccine; autoimmune disease; rheumatoid arthriti; systemic lupus erythematosus; insulin dependent diabetes mellitus; multiple sclerosis; myasthaenia gravis; Grave's disease; autoimmune hemolytic anaemia; autoimmune thrombocytopenic purpura; Goodpasture's syndrome; pemphigus vulgaris; acute rheumatic fever;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    composition comprising the fusion protein may also be used in treating autoimmune diseases (e.g. systemic lupus erythematosus, multiple sclerosis, diabetes mellitus, rheumatoid arthritis and asthma), renal diseases (e.g. glomerulonephritis), bronchitis, inflammation, graft rejection, anaemia and septic shock. The fusion proteins are also used gene therapy. The present sequence is human B-cell maturation receptor
                                                                                                                               Novel TALL-1 antagonist protein useful for inhibiting TALL- 1 biological activity in mammal, has a modification in the region connecting beta strands D and E that reduces the biological activity of TALL-1
                                                                                                                                                                                                                           Zhang
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                                                                                                                                                                                                                                                     (NAJE-)
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2002US-0403364P
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Pred. No. 1.6e-17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Type III transmembrane protein; insulin resistance; atherosclerosis; atheromatous disease; heart disease; hypertension; stroke; syndrome diabetes mellitus; hyperlipidaemia; hyperuricaemia.
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                                                                                                                                     New use of agonist or antagonist of Genoxit activity treating obesity-related diseases or disorders, e.g.
                                                                                                                                                                                                                            N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                     06-AUG-2001; 2001US-0310754P
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78. .184
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Pred. No. 1.6e-17;
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Matches
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The invention relates to a novel antibody or its fragment, which immunospecifically binds tumour necrosis factor Delta (TNF-delta/APRII). The antibody of the invention has dermatological, immunosuppressive, antiinflammatory, antirheumic, antiarthritic, cytostatic, antianaemic, antiallergic, antiasthmatic, neuroprotective, ophthalmological, tuberculostatic, antidiabetic, antipsoriatic, anti-HIV, antiarteriosclerotic, vasostropic, thyromimetic, and haemostatic activity. The antibody or its fragment are useful for treating, preventing or ameliorating cancer such as Non-Hodgkin's lymphoma or multiple myeloma in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Genoxit activity for preventing or treating obesity. Genoxit is a member of the Tumour Necrosis Factor Receptor Super Family and is a Type III transmembrane protein. The agonists or antagonists of the invention are useful for treating or preventing obesity-related diseases or disorders, e.g. obesity, insulin resistance, atherosclerosis, atheromatous disease, heart disease (e.g. cardiac insufficiency, coronary insufficiency, high blood pressure), hypertension, stroke, syndrome X, diabetes mellitus (type I and II), hyperlipidaemia and hyperuricaemia, also diabetic complications, e.g. microangiopathic lesions, ocular lesions, retinopathy, neuropathy and renal lesions
                                                                                                                                                                                                                                   Novel isolated antibody that immunospecifically binds tumor necrosis factor delta, useful for treating, preventing or ameliorating Non-Hodgkin's lymphoma, multiple myeloma, rheumatoid arthritis or Sjogren's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              dermatological; immunosuppressive; antiinflammatory; antirheumatic; antiarthritic; cytostatic; antianaemic; antiallergic; antiasthmatic; neuroprotective; ophthalmological; tuberculostatic; antidiabetic; antipporiatic; anti-HIV; antiarteriosclerotic; vasotropic; thyromimetic; haemostatic; cancer; autoimmune disease; graft versus host disease; GVHD inflammatory disorder; proliferative disorder; single chain antibody;
                                                                                                                                                                                    Disclosure;
                                                                                                                                                                                                                                                                                                            WPI; 2003-156740/15
                                                                                                                                                                                                                                                                                                                                                                                                                    24-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                    (HUMA-) HUMAN GENOME SCI INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immunospecific; tumour necrosis factor delta; TNF-delta;
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Pred. No. 1.6e-17;
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RESULT 21
ABP97717
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   human, disease or disorder such as autoimmune disease, and graft versus host disease (GVHD). The autoimmune disease is systemic lupus erythematosus, rheumatoid arthritis or Sjogren's Syndrome. The antibody is useful for detecting, diagnosing, prognosing, treating, preventing or ameliorating a disease or disorder associated with aberrant APRIL or APRIL receptor. The disease or disorders includes autoimmune and inflammatory disorders such as autoimmune neutropenia, haemolytic anaemia, dermatitis, asthma, allergic encephalomyelitis, myocarditis, multiple sclerosis, uveitis, tuberculosis, diabetes mellitus, psoriasis, cancer of the immune system, particularly B cell cancers, immune disorders such as myasthenia gravis, Hashimoto's disease, immunodeficiency syndrome, Bruton's disease, infectious diseases (e.g. acquired immunodeficiency syndrome (AIDS)), and proliferative disorders (e.g. acquired immunodeficiency syndrome (AIDS)), and
                                                                 The present sequence represents a human BCMA polypeptide. The specification also describes TACI and BR3 polypeptides. TACI and BR3 are receptors. Tumour necrosis factor (TNF) family ligands TALL-1 and April bind to the TACI receptor, while TNF family ligands TALL-1 also binds to BR3 receptor. The TACI and BR3 receptor nucleic acid is useful for preparing a composition for treating systemic lupus erythematosus
                                                                                                                                                                                                                                                                                                                                                                                                          New nucleic acid encoding a TACIs or BR3 polypeptide, useful for preparing a composition for treating systemic lupus erythematosus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-AUG-2001;
30-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dixit V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2003014294-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-JUL-2002; 2002WO-US023487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-MAY-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TACI; BR3; receptor; tumour necrosis factor ligand; TNF ligand; April; systemic lupus erythematosus; BCMA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Grewal I,
                                                                                                                                                                                                                                                                                                                                     Fig 2; 153pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ilarity 100.0%;
Conservative
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2002US-0377171P.
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Pred. No. 1.6e-17
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Query Match

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Length 184

Query Match

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Sequence 184 AA;

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RESULT 22
ADD67527
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                                                                                CC overexpressed in haematological malignancies, and which encodes a
CC polypeptide or an immunogenic fragment of the polypeptide. Also
CC described: (1) an isolated polypeptide; (2) an expression vector
CC comprising (1) operably linked to an expression control sequence; (3) a
CC host cell comprising an expression vector; (4) an isolated antibody that
CC specifically binds to the polypeptide or its immunogenic fragment; and
CC (5) immunoconjugates comprising the antibody above, or an antibody that
CC specifically binds to a polypeptide, or its immunogenic fragment; encoded
CC (by (I). (I) has cytostatic and immunostimulant activities, and can be
CC used in vaccines and immunotherapy. The immunoconjugates are useful in
CC composition for treating cancer, e.g. multiple myeloma cell, chronic
CC lymphocytic leukaemia, B cell leukaemias, or lymphomas in humans, sheep,
CC primates, goats, bovines, equines, porcines, lupines, canines or felines.
CC fine polynucleotide (I) or polypeptide can be used for screening anti-
CC cancer agents, and generating antibodies or immunoconjugates for treating
CC or preventing the above-mentioned diseases. The polynucleotide,
CC polypeptide or antibody can be used for detecting, diagnosing or mentioned content of the c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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Sequence
                                             prognosticating the haematological malignancies described above. present sequence is used in the exemplification of the present i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes an isolated polynucleotide (I),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 9; SEQ ID NO 4; 307pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New hematological malignancy-related genes and polypeptides, useful screening anti-cancer agents, and generating antibodies or immunoconjugates for treating e.g. multiple myeloma cell or chronic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N-PSDB;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             haematological malignancy; immunoconjugate; cytostatic; immunostimulant; vaccine; immunotherapy; cancer; multiple myeloma cell; chronic lymphocytic leukaemia; B cell leukaemia; lymphoma; anti-cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human Ly1732P protein SEQ ID NO:4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADD67527 standard; protein;
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DB; ADD67526.
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Mcneill PD;
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thes 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               41
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                                             present invention
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RESULT 23
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RESULT 24
ADK00756
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Best Local Similarity
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Matches
                                                                                                                                                                                                                                                                                                                                              The invention relates to a novel method for treating a neurodegenerative immunological disorder, demyelination or Central Nervous System (CNS) inflammation in a mammal. The method comprises administering B-cell maturation antigen (BCMA), or an antibody against BCMA or a BCMA ligand (the mammal has or is at risk of developing multiple sclerosis). The method of the invention has neuroprotective, nootropic, and antiinflammatory activity, and may have a use in gene therapy. The methods, BCMA, and antibodies are useful for treating a neurodegenerative immunological disorder such as multiple sclerosis, demyelination or CNS immunological disorder such as multiple sclerosis, demyelination or CNS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Treating a neurodegenerative immunological disorder, e.g. demyelination or inflammation in a mammal comprises administering a B-cell maturation antigen (BCMA), an antibody against BCMA or a BCMA ligand.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     human; neurodegenerative immunological disorder; demyelination; Central Nervous System; CNS; inflammation; B-cell maturation antigen; BCMA; multiple sclerosis; neuroprotective; nootropic; antiinflammatory;
  ADK00756;
                                      ADK00756 standard;
                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 8; Page 68-69; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-721758/68.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human B-cell maturation antigen SEQ ID NO:1.
                                                                                                                                                                                                                                                                                                                                  inflammation.
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                                                                                                                                                           CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                           184 AA;
                                                                                                                                  CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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                                                                                                                                                                                                                Conservative
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Conservative 0;
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                                                                                                                                                                                                                                                                                                                                The present sequence represents human BCMA.
                                    protein; 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein;
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                                                                                                                                                                                                              Score 201; DB 7;
Pred. No. 1.6e-17;
); Mismatches 0;
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hes 0;
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                                                                                                                                                                                                                                                Length 184;
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ADQ94442
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                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                             Neutrokine-alpha,
                                                                                                                                    07-OCT-2004
                                                                                                                                                                                                              ADQ94442 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       psoriasis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-FEB-2004
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                                                                                                                                                                                                                                                                                                                                                                                                             Local
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)B; ADK00755.
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                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
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                                                                                               BCMA
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polypeptide biological activity in mammalian cells, or for diagnosing an treating pathological conditions associated with TNF and TNF receptor-related molecules, e.g. cancer or immune-related disease, such as systemic lupus erythematosus, rheumatoid arthritis, Sjogren's syndrome, glomerulonephritis, diabetes mellitus, Crohn's disease, glomerulonephritis, multiple sclerosis, psoriasis, asthma, urticaria or infections diseases including AIDS, hepatitis infection, bacterial infection, fungal infection, protozoal infection and parasitic infection The present sequence represents native human BCMA.
                        neutrokine-alpha; chelator; B-lymphocyte stimulator; BLyS; TALL-1; BAFF; neutrokine-alpha receptor; complex; metal ion; radiotherapy; B-cell mediated disease; non-Hodgkin's lymphoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New anti-TACI receptor monoclonal antibody, useful for diagnosing and treating pathological conditions associated with tumor necrosis factor, e.g. cancer or immune-related disease, such as rheumatoid arthritis or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to an isolated monoclonal antibody which binds to a transmembrane activator of and CAML interactor (TACI) receptor. The TACI antibodies are useful for modulating TALL-1 or TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 6; 110pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dermatological; Immunosuppressive; Antirheumatic; Antiarthritic; Antidiabetic; Neuroprotective; Antiasthmatic; Antiallergic; Anti-HIV; Antibacterial; antiparasitic; systemic lupus erythematosus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-JUL-2002; 2002US-0398530P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                               protein; 184
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Pred. No. 1.6e-17;
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myeloma;
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Best
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                                                                                                                                                                                                                                                                                                                                                     alpha receptor, wnrum to kill the cell. The
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cancer, which involves administering it to a subject having cancer, where a cell of the cancer expresses a neutrokine-alpha receptor on its surface. The cancer is a B cell cancer, which is chosen from non-Hodgkin's lymphoma, multiple myeloma and chronic lymphocytic leukaemia. The complex is also useful for treating an autoimmune disease or disorder, chosen from systemic lupus erythematosus, rheumatoid arthritis and Sjogren's syndrome. The complex may also be used for diagnostic
                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Neutrokine-alpha conjugate useful for targeting complexed metal ion to cells expressing receptor (predominantly lymphoid) for radiotherapy treatment of, for example, non-Hodgkin's lymphoma comprises neutrokine-
                                                                                                                                                                                                                                                                                                                                                         imaging. A composition comprising the protein conjugate or the complex is useful for killing a cell chosen from a cell bearing a neutrokine-alpha receptor, and a cell in close proximity to a cell bearing neutrokine-alpha receptor, which involves contacting the cell with the composition to kill the cell. The cell is lymphocyte, B cell or cancerous cell that has metastasised into the lymphatic system.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              systemic lupus erythematosus; rheumatoid arthritis; multiple sclerosis; Crohn's disease; diabetes; Wegener's granulomatosis; myasthenia gravis; asthma; cancer; Sjogren's syndrome; diagnostic imaging; lymphocyte; B cell; cancerous cell; metastasis; lymphatic system.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 9; 228pp; English
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02-MAY-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Parmelee D,
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                                                                                                                                                                                      Local
œ
                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                184
                                                                    CSQNEYFOSLIHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                            A,
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2003US-0467198P.
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                                                                                                                                        Score 201; DB 8;
Pred. No. 1.6e-17;
; Mismatches 0;
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                                                                                                                                                                                                                Length 184;
                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               may be used in the
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RESULT

26

Query Match

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ACX ADP5

ACX AD
                                                                                                                            comprising a container, a label on the container and a composition of matter of (7); (9) a method of treating an immune related disease in a mammal; (10) a method for determining the presence of a PRO polypeptide in a sample suspected of having the polypeptide; (11) a method of diagnosing an immune related disease or an inflammatory immune response in mammal; (12) a method of identifying a compound that inhibits or minics the activity of or expression of a gene encoding a PRO polypeptide, and (13) a method of stimulating the immune response in a mammal. The PRO sequences have antiallergic, antianaemic, antitratic, antitratematic, antithyroid, CNS, dermatological, gastrointestinal, antirheumatic, antithyroid, CNS, dermatological, gastrointestinal, antiriheumatic, hepatotropic, immunostimulant, immunosuppressive, muscular, nephrotropic, neuroprotective, osteopathic, respiratory, vasotropic and virucide activities, and can be used in gene therapy. The nucleic acid (1) and the encoded polypeptides, compositions, kits and methods are useful in diagnosing and treating an immune related disease and in stimulating an immune response. The present sequence represents a human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes an isolated PRO nucleic acid (I). Also described: (I) a vector comprising (I); (2) a host cell comprising the vector of (I); (3) a process for producing a PRO polypeptides; (4) an isolated PRO polypeptide; (5) a chimeric molecule comprising the polypeptide of (4) fused to a heterologous amino acid sequence; (6) an antibody which specifically binds to a polypeptide of (4); (7) a composition of matter comprising a polypeptide of (4), an agonist or antagonist of the polypeptide or an antibody that binds to the polypeptide or an antibody that binds to the polypeptide or an antibody by the polypeptide of manufacture polypeptide or an antibody that binds to the polypeptide of the polypeptide or an antibody that binds to the polypeptide or antibody that binds to the polypeptide or an antibody that binds to the polypeptide or an antibody that binds to the polypeptide or an antibody that binds to the polypeptide of the polypeptide or an antibody that binds to the polypeptide or antibody that binds to the polypeptide or an antibody that binds to the polypeptide or an antibody that binds to the polypeptide o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New PRO polynucleotides and polypeptides, useful in useful in diagnosing and treating an immune related disease, e.g. systemic lupus erythematosus, rheumatoid arthritis, diabetes mellitus or asthma and in stimulating an immune response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N-PSDB;
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                                                                                      PRO protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID NO 1990; 3009pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Aggarwal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antiasthmatic; antidiabetic; antiinflammatory; antipsoriatic;
antirheumatic; antithyroid; CNS; dermatological; gastrointestinal;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                response stimulation; antiallergic; antianaemic;
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t S,
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                                                                                           from the present invention.
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Matches 34; Conser
                                Query Match
                                                                                                          The invention comprises a method of depleting B cells from a mixed population of cells, the method involves contacting the mixed populat of cells with BLyS antagonist (e.g. an immunoadhesin) and a CD20 bind antibody (e.g. hu2H7.v16). The method of the invention is useful for treating B cell malignancies and autoimmune disorders, such as: non-Hodgkin's olisease, follicular center cell lymphom lymphocytic leukemia, Hairy cell leukemia, rheumatoid arthritis, syst lugus erythematosus, Wegener's disease, inflammatory bowel disease, idiopathic thrombocytopenic purpura, multiple sclerosis, asthma, psoriasis, IgA nephropathy, myasthenia gravis, vasculitis, diabetes a glomerulonephritis. The present amino acid sequence represents a huma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             non-hodgkin lymphoma; hodgkins disease; cytostatic; chronic lymphocytic leukemia; hairy cell leukemia; rheumatoid arthritis; antiarthritic; antirheumatic; systemic lupus erythematosus; wegener granulomatosis; antiallergic; antiinflammatory; vasotropic; inflammatory bowel disease; gastrointestinal-gen; idiopathic thrombocytopenic pastrointestinatic; multiple sclerosis; asthma; antiasthmatic; psoriasis; antipsoriatic; myasthenia gravis; muscular-gen; neuroprotective; vasculitis; diabetes; antidiabetic;
                                                                                                                                                                                                                                                                                                                                           Depleting B cells from a mixed population of cells by contacting cells with a BLyS antagonist and a CD20 binding antibody, useful treating B cell malignancies and autoimmune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-JUN-2003; 2003US-0476414P
05-JUN-2003; 2003US-0476481P
06-JUN-2003; 2003US-0476531P
                                                                 Sequence 184
                                                                                                                                                                                                                                                                                                              Disclosure; Fig 2; 114pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chan A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human BCMA protein amino acid sequence.
                                                                                                 BCMA protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2005000351-A2
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                 Local Similarity
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 Conservative
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100.0%; Score 201; DB 9;
100.0%; Pred. No. 1.6e-17;
tive 0; Mismatches 0;
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thes 0;
                                                                                                                                                                               licular center cell lymphomas, rheumatoid arthritis, systemic
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                              Length 184;
   Indels
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D20 binding
Gaps
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RESULT 29
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ID AEA23
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AEA23348 standard; protein; 184

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RESULT 28
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                                                                                                                   Matches
                                                                                                                                              Best Local
                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                and antibodies. Ztnfr14 polynucleotides are used in claimed methods for detecting a genetic abnormality in a patient and for detecting a cancer in a patient. Recombinant ztnfr14 polypeptide, optionally conjugated to a toxin, is used in a claimed method of killing cancer cells. Ztnfr14 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides, polynucleotides and antibodies may also be used in methods that modulate tumor growth, metastasis, and immunity such as separating resting from stimulated immune cells. The present sequence is that of human TNFR BCMA. This sequence was compared with that of ztnfr14 in the identification of ztnfr14 as a member of the TNFR family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New tumor necrosis factor receptor (TNFR) polypeptides, useful as detecting ligands, and for modulating tumor growth, metastasis an immunity, such as separating resting from stimulated immune cells
                                                                                                                                                                                                                                Sequence 184 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention provides novel tumor necrosis factor receptor ztnfr14 polynucleotides ADZ67753 and polypeptides ADZ67754, expression vect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 8; 132pp; English
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18-OCT-2004; 2004US-0619552P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tumor necrosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human tumor necrosis factor receptor BCMA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ZYMO ) ZYMOGENETICS INC
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                                                                                                                                           Similarity
CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Holloway JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2004WO-US034375
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              factor receptor; BCMA; cancer; neoplasm; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers 6. .45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              entry)
                                                                                                                                           100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sheppard PO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 184
                                                                                                                   0;
                                                                                                                                           Score 201; DB 9;
Pred. No. 1.6e-17;
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                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dillon SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                34
                                                                                                                   0,
                                                                                                                                                                   Length 184;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                expression vectors
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AEC02031
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                                   RESULT 30
                                                                                                                                                                                                                                                                     CC for treating or preventing a cell proliferative disorder associated with CC increased expression or activity of a protein having at least 80 % amino acid sequence identity to: a polypeptide having any of SEQ ID NO: 2, 8, CC 10, 12, 16, 20, 22, 49 and 51; a polypeptide having the amino acid CC sequence of (a), lacking its associated signal peptide; an extracellular CC domain of the polypeptide having the amino acid sequence of (a), with or CC without its associated signal peptide; a polypeptide encoded by any of CC SEQ ID NO: 1, 7, 9, 11, 15, 19, 21, 48 and 50; or a polypeptide encoded by the full-length coding region of the nucleotide sequence of (d), CC comprising administering to a subject in need of such treatment an antagonist of the protein, and effectively treating or preventing the CC enlipsolitics origin (TAHO) polypeptides, encoding nucleic acids, of the invention. The methods and compositions of the present invention are useful for treating hematopoietic and malignant tumors in mammals. This is the amino acid sequence of tumor antigen of hematopoietic origin
                                                                                                                                                          Best Loc
Matches
                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention describes a method of inhibiting the growth of a cell that expresses a protein comprising contacting the cell with an antibody, oligopeptide or organic molecule that binds to the protein, the binding of the antibody, oligopeptide or organic molecule to the protein and causing an inhibition of growth of the cell. Also described is a method
AEC02031 standard; protein; 184
                                                                                                                                                                                                                          Sequence 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 46; 367pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Inhibiting the growth of a cell that expresses a protein by control the cell with anti-tumor antigens of hematopoietic origin (TAH) polypeptide, antibody or organic molecule, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Crowley C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-NOV-2003;
24-DEC-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tumor antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cytostatic; gene therapy; therapy; cell growth;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumor antigen of hematopoietic origin TAHO23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-AUG-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hematopoietic and malignant tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC
                                                                                                                                                                          Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        purification, hyperproliferation, neoplasm, or antigen of hematopoietic origin, TAHO23.
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                                                                                                                                                                            Similarity
                                                                                                       CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                      100.0%; ilarity 100.0%; Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2003US-0520842P.
2003US-0532426P.
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                                                                                                                                                          0,
                                                                                                                                                                          Score 201; DB 9;
Pred. No. 1.6e-17;
                                                                                                                                                          Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein purification;
                                                                                                                                                                                          Length 184;
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in (TAHO)
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RESULT 31
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                        The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents a BCMA protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        B-cell maturation antigen.
Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer; rheumatoid arthritis; atherosclerosis; fusion protein.
                                           cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease;
                                                                                                                                      Human BCMA-immunoglobulin Fc region fusion protein.
                                                                                                                                                                    12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 184 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New polypeptides that inhibit APRII and/or BAFF binding to BCMA, for treating immune-related disease, cancer or T-cell mediated cancer as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kelley RF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-JAN-2004; 2004US-0540271P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              04-AUG-2004; 2004WO-US025247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-AUG-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APRIL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amin acid sequence of a BCMA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-OCT-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AEC02031;
                                                                                                                                                                                                  AAE15488
                                                                                                                                                                                                                               AAE15488 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sapiens
                                                                                                           transmembrane activator and intracellular CAML interactor; TACI;
                                                                                                                                                                                                                                                                                                          œ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BAFF; immune disorder;
                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                            CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                          CSONEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      neoplasm;
                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
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                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                 283
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    immunomodulator; antiinflammatory; cancer;
uppressive; therapeutic; BCMA;
                                                                                                                                                                                                                                                                                                                                                                                    Score 201; DB 9;
Pred. No. 1.6e-17;
                                                                                                                                                                                                                                 A
                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                English
                                                                                                                                                                                                                                                                                                            41
                                                                                                                                                                                                                                                                                                                                                                                                Length 184;
                                                                                                                                                                                                                                                                                                                                                                     0,
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AC ABGS
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Chrc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CC protein (BCMA) activity in a mammal. The method comprises administering a CC specific binding partner for APRIL (G70, a tumour necrosis factor-TWF CC family ligand), having the consensus region of TACI, BCMA, or the TACI/CC BCMA extracellular consensus sequence, but not the extracellular region of GC of TACI or BCMA. The method is useful for inhibiting activity of TACI or TACI or BCMA in a mammal which is useful for treating B-cell or T-cell local l
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Chromosome aberration; oncogenic fusion protein; cancer; proliferative disease; cellular protein isoform; heat shock prot HSP-90; rheumatoid arthritis; cancer; haematopoietic disorder; T cell lymphona; B cell lymphona; chronic myeloid leukaemia; CMI acute myeloid leukaemia; AML; chronic myelomonocytic leukaemia; acute lymphoblastic leukaemia; ALL; APL; NHL; solid tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor family
                                                                                                                                                                             Human translocation (4; 16) (q26; p13) protein.
                                                                                                                                                                                                                                                                                                                                      ABG95060 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Fig 10B; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-066686/09
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27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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                                                                                                                                                                                                                                                                                                                                      protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 201; DB 5;
100.0%; Pred. No. 2.5e-17;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                         288
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 283;
                                                                                                        protein 90;
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11-SEP-2003 22-MAY-2001

(revised)
(first entry)

Mouse IgG signal/human BAFF-R/human IgG

FC

fusion

protein, BAFF-R-Fc.

Human BAFF-R; BAFF receptor; TNF family; immunoregulatory agent; immune-related disorder; B-cell growth inhibitor; B-cell maturation inhibitor; immunoglobulin production inhibitor;

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Matches Query Match Best Local

34. Similarity

Conservative

0,

100.0%;

Score 201; DB 5; Pred. No. 2.6e-17; Mismatches

Length 288;

Indels

٥,

Gaps

0,

Local

Sequence 288 AA;

infections. This repr chromosome aberration

This represents a protein encoded by the DNA sequence of a

RESULT 33

AAB60699

standard; protein;

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The invention describes a method of treating genetically-defined disease associated with chromosomal aberrations yielding oncogenic fusion proteins (I), treating cancerous cells containing (I) in a heterogeneous cell population, treating proliferative diseases associated with mutant protein or cellular protein isoforms (II) dependent on heat shock protein (HSP)-90, or selectively treating cells expressing (II) involving administering HSP90-inhibitor. The method is useful for treating genetically-defined disease with chromosomal aberration yielding
                                                                                 or a disease characterised by a solid tumour such as papillary thyroid carcinoma, Ewing's sarcoma, melanoma, liposarcoma, rhabdomyosarcoma and synovial sarcoma. The method is also useful for treating viral
                                                                                                                                                                                                                                       oncogenic fusion protein, treating cancerous cells containing fusion protein in heterogeneous cell population, treating proliferative disease (e.g. rheumatoid arthritis or cancer) associated with mutant protein or cellular protein isoform dependent on heat shock protein (HSP)-90 (e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI;
                                                                                                                                p53), or selectively treating cells expressing mutant protein or cellular protein isoform in a patient heterozygous for (II). The method is useful for treating a disease e.g. haematopoietic disorder such as T or B cell lymphoma, chronic myeloid leukaemia (CML), APL, ALL, AML, NHL and CMML, or a disease characterised by a solid rumonum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 189-190; 389pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAR-2002; 2002WO-US006518
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating genetically-defined disease associated with chromosomal aberrations yielding oncogenic fusion proteins, e.g. cell prolif diseases, involves administering an inhibitor of heat shock prot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAR-2001; 2001US-0272751P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          papillary thyroid carcinoma; Ewing's sarcoma; melanoma; liposarcoma;
rhabdomyosarcoma; synovial sarcoma; viral infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (CONF-) CONFORMA THERAPEUTICS CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cell proliferative shock protein 90.
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disorder; hypertension

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The invention relates to the use of a BAFF receptor (BAFF-R, also known CC as BCMA) protein, or a BAFFR fusion protein as an agent for the CC treatment of a variety of immune-related disorders. BAFF-R is a member of the TNF (tumour necrosis factor) family, acting as an immunoregulatory agent, and also plays a role in the development of hypertension and CC related disorders. BAFF-R, fusion proteins containing it, and BAFF-R cc specific antibodies can be used for inhibiting B-cell growth, dendritic cell-induced B-cell growth and maturation, and immunoglobulin production, and in the treatment of autoimmune disorders. B-cell lymphoproliferative disorders, hypertension and renal disorders. B-cell lymphoproliferative cell-induced in the treatment of immunosuppressive disorders and HIV cell-insor and in patients undergoing organ transplantation. The BAFF-R growth and maturation organ transplantation. The BAFF-R cc inhibits B-cell growth and maturation it is useful for treating pathway between BAFF-R and BAFF, thereby inhibiting inflammation. Since BAFF-R cc inhibits B-cell growth and maturation it is useful for treating diseases such as systemic lupus erythematosus, autoimmune haemolytic anaemia, cc scale glowerlonephritis, and lymphomas. Nucleic acids encoding human BAFF-R may be used in gene therapy to treat tumours, lymphomas, autoimmune disorders and inherited B-cell carcinomas, leukaemia, rapidly progressive glomerulonephritis, and lymphomas. Nucleic acids encoding autoimmune disorders and inherited B-cell-associated disorders. The cc present sequence represents the BAFF-R fusion protein BAFF-R-FC.

CC comprising a mouse IgG-kappa signal sequence, residues 1-153 of human BAFF-R and a human IgG Fc sequence. (Updated on 11-SEP-2003 to
                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Inhibiting dendritic cell-induced B-cell growth, maturation and B-cell lympho-proliferative disorder by administering BAFF-receptor polypeptide, chimeric molecule comprising receptor or anti-BAFF-R antibody homolog.
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11-FEB-2000; 2000US-0181684P
18-FEB-2000; 2000US-0183536P
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                                                                             CSONEYFDSLIHACIPCOLRCSSNTPPLTCORYC 34
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ilarity 100.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                   OS field)
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                                                                                                                                                  Score 201; DB 4;
Pred. No. 2.7e-17;
; Mismatches 0;
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The method involves administering a composition comprising A proliferation Inducing Ligand Receptor (APRIL-R) also referred as B maturation protein (BCM or BCMA) antagonist that antagonises the interaction between APRIL and its cognate receptor(s). This method useful for treating undesired cell proliferation such as cancer or carcinoma e.g. human lung carcinoma, colon carcinoma, breast carcinomorprostate carcinoma, and other carcinomas whose proliferation is mod

APRIL. It is also useful for treating

autoimmune diseases

carcinoma is modulated

The invention relates to a method of treating

associated with undesired cell proliferation

such as cancer

or

carcinoma

B

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mammal for a condition

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RESULT 34
AAE00507
ID AAE00507
AAE00507
AC AAE00
AA
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11-FEB-2000;
30-JUN-2000;
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                                                                                                                                                                                                                                                                                                                                                                                  Treating a mammal for a condition associated with undesired cell proliferation such as cancer or carcinoma, comprises administeri
                                                                                                                                                                                                                                                                                                                                                                                                                                                              N-PSDB; AAD03847
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                                                                                                                                                                                                                                                                              Example 1; Fig
                                                                                                                                                                                                                                                                                                                                                        composition comprising A Proliferation Inducing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Schneider P,
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31-JUL-2001
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2000US-0215688P
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(first entry)
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& D
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/note= "Derived from human BCMA"
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/note= "Derived from mu
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                                                                                                                                                                                                                                                                                                                                                          Receptor (APRIL-R)
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RESULT 35
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                                                                                                                                                          Treating a neurodegenerative immunological disorder, e.g. demyelination or inflammation in a mammal comprises administering a B-cell maturation antigen (BCMA), an antibody against BCMA or a BCMA ligand.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  human; neurodegenerative immunological disc
Central Nervous System; CNS; inflammation;
BCMA; multiple sclerosis; neuroprotective;
                                                                                                        Claim 12; Page 70-71; 72pp; English
                                                                                                                                                                                                                                                                                                    WPI; 2003-721758/68
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34; Conser
                                                                                                                                                                                                                                                                        ADG43718
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                                                                                                                                                                                                                                                                                                                                                    Reid H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; ilarity 100.0%; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             maturation antigen-Fc SEQ ID NO:3.
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/note= "Human BCMA extracellular domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             302
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Pred. No. 2.7e-17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              disorder; demyelination; ion; B-cell maturation an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nootropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  64
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The invention relates to a novel method for treating a neurodegenerative immunological disorder, demyelination or Central Nervous System (CNS) inflammation in a mammal. The method comprises administering B-cell

Matches Query Match

Local

Similarity

98.0%; 97.1%;

Score 197; DB 9; Pred. No. 9.6e-18; 1; Mismatches 0

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Gaps

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Length

34;

Conservative

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                                lupus erythematosus; cancer such as leukemia, lymphoma, or multiple sclerosis, and systemic scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents a polypeptide of the invention, derived from formula II (see AEC02021), that that bind RAFF
                                                                                                         The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic
                                                                                                                                                                                                                                                           New polypeptides that inhibit APRII and/or BAFF binding to BCMA, for treating immune-related disease, cancer or T-cell mediated d such as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    maturation antigen (BCMA), or an antibody against BCMA or a BCMA ligand (the mammal has or is at risk of developing multiple sclerosis). The method of the invention has neuroprotective, nootropic, and antiinflammatory activity, and may have a use in gene therapy. The methods, BCMA, and antibodies are useful for treating a neurodegenerative immunological disorder such as multiple sclerosis, demyelination or CNS inflammation. The present sequence is used in the exemplification of the
Sequence
                                                                                                                                                                                                            Claim 13; SEQ ID NO 15; 140pp; English.
                                                                                                                                                                                                                                                                                                                                                                  Kelley RF, Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                  29-JAN-2004; 2004US-0540271P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic; neoplasm; immunosuppressive; therapeutic.
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                               represents a polypeptide of the AEC02021), that that bind BAFF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2005075511-A1
                                                                                                                                                                                                                                                 inflammation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     immune disorder; immunomodulator; antiinflammatory; cancer;
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Pred. No. 2.7e-17;
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RESULT 37
ABC02027
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AC ABC02
XX ADRII
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RESULT 38
AEC02028
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Best Local S
Matches 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematous; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents a polypeptide of the invention, derived from formula II (see AEC02021), that that bind BAFF.
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                              Formula II derived polypeptide G that binds
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                                                                                                                                                                                                           AEC02028 standard; peptide; 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 34 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-JAN-2004; 2004US-0540271P
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33; Conserv
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                                                                                                                                                                                                                                                                                                                                                            CSONEYFOSILHACIPCDLRCSSNTPPLTCQRYC
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Pred. No. 1.3e-17;
0; Mismatches 1
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RESULT 39
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                                                                                                                                                                               APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer; cytostatic; neoplasm; immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polypeptides that inhibit APRII and/or BAFF binding to BCMA, for treating immune-related disease, cancer or T-cell mediated d such as graft rejection, graft versus host disease (GVHD) and
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                                       29-JAN-2004; 2004US-0540271P
                                                                   04-AUG-2004; 2004WO-US025247.
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                                                                                                                                                    Synthetic
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                                                                                               18-AUG-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local
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                                                                                                                                                                                                                                                                                                                                                                              ۳
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                                                                                                                                                                                                                                                                                                                                                                                                                                     . Similarity 33; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                         CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                             CSONEYFDSLLHACIPCOLYCSSNTPPLTCORYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                  96.5%;
97.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                     0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 194; DB 9;
Pred. No. 2.3e-17;
                                                                                                                                                                                                                          F that binds APRIL.
                                                                                                                                                                                                                                                                                                           A
                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                         34
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 34;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     disease
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(GETH) GENENTECH INC

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RESULT 40
ABC022
ID ABC022
XX ABC022
AC ABC02
XX 20-OC
XX APRIL
KW Cytos
XX APRIL
KW Cytos
XX B-cel
XX HOMO
OS Synth
XX 18-AU
XX 104-AU
XX 104-AU
XX Kelle
PR (GETH
XX WPI;
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The specification describes polypeptides that bind APRIL or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents polypeptide of the invention that binds APRIL, derived from AECO2012.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation.
                                                                                       New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                         B-cell maturation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AEC02042;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AEC02042 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 7; SEQ ID NO 6; 140pp; English
                                                                                                                                                   WPI; 2005-555932/56.
                                                                                                                                                                                                                                           29-JAN-2004; 2004US-0540271P
                                                                                                                                                                                                                                                                       04-AUG-2004; 2004WO-US025247
                                                                                                                                                                                                                                                                                                     18-AUG-2005
                                                                                                                                                                                                                                                                                                                                 WO2005075511-A1
                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                           cytostatic; neoplasm;
                                                                                                                                                                                                                                                                                                                                                                                                                                       APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amino acid sequence of a BCMA-Fc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-OCT-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kelley RF,
                                                                                      for treating immune-relat
such as graft rejection,
                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                 RF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSONEYFDSLLHACKPCQLRCSSNTPPLTCQRYC 34
                                             SEQ
                                                                                                                                                                                 Patel D;
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                                                                                                                                                                                                                                                                                                                                                                                                         antigen; Fc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein;
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97.1%;
                                             31;
                                                                                                                                                                                                                                                                                                                                                                                                                       immunosuppressive; therapeutic; BCMA;
                                                                                      graft
                                           140pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 194; DB 9;
Pred. No. 2.3e-17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     fusion protein.
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The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen

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CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC

Conservative

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Indels

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Gaps

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RESULT 41
AEC02025
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Query Match
Best Local Similarity
Matches 33; Conserv
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Best Local Similarity
Matches 33; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents a BCMA-Fc fusion protein, where IZ2 of BCMA is changed to Lys.
                                                                                                                                                                                                                                                                                                                                                                                       WPI;
                                                                                           The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus, cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVMD) and inflammation. The present sequence represents a polypeptide of the invention, derived from formula II (see AEC02021), that that bind BAFF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AEC02025 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 296 AA;
                                                                 Sequence 34
                                                                                                                                                                                                                                                                         Claim 13; SEQ ID NO 14; 140pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-JAN-2004; 2004US-0540271P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-AUG-2004; 2004WO-US025247.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-AUG-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cytostatic; neoplasm; immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-OCT-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2005075511-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Formula II derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                    polypeptides that inhibit APRIL and/or BAFF binding to BCMA, treating immune-related disease, cancer or T-cell mediated d as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                       2005-555932/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21
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                95.5%;
97.1%;
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97.1%;
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Pred. No. 2.1e-16;
0; Mismatches 1
   Score 192; DB 9;
Pred. No. 4.2e-17;
0; Mismatches 1
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                                 Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         296;
                                                                                                                                                                             and systemic
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                                                                                                                                                                                                                                                                                                                                          disease
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AECO2033
ID AECO
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AC AECO
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AC AECO
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AC AECO
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AC AMi
XX
APR:
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                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                            Query Match
Best Local
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                            Amino acid sequence of an extracellular domain
                                                         20-OCT-2005
                                                                                       AEC02033
                                                                                                                                                                                                                                                                                                      Sequence 34 AA;
APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                               AEC02033 standard; peptide; 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 13; SEQ ID NO 13; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kelley
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Formula II derived polypeptide C that binds BAFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AEC02024 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2005-555932/56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cytostatic;
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                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                      CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CSQNESFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                       CSQNEAFDSLIHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; immune disorder; immunomodulator; antiinflammatory; cancer; neoplasm; immunosuppressive; therapeutic.
                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                         (first entry)
                                                                                                                                                                                                                                                          95.5%;
97.1%;
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                                                                                                                                                                                                                                             0;
                                                                                                                                                                                                                                           Score 192; DB 9;
Pred. No. 4.2e-17;
0; Mismatches 1
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                              of BCMA
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RESULT 44
AEC02020
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Best Local
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                                                                                                                                                    04-AUG-2004; 2004WO-US025247
                                                                                                                                                                                                           18-AUG-2005
                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                   cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                            APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Formula I derived polypeptide I that binds APRIL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-OCT-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AEC02020;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AEC02020 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 22; 140pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New polypeptides that inhibit APRIL and/or BAFF binding to BCWI for treating immune-related disease, cancer or T-cell mediated for treating immune-related disease, cancer or T-cell mediated for treating immune-related disease (GVHD) and the second second
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cytostatic; neoplasm; immunosuppressive; B-cell maturation antigen; BCMA.
                                                 (GETH ) GENENTECH INC
                                                                                                   29-JAN-2004; 2004US-0540271P.
                                                                                                                                                                                                                                                             WO2005075511-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       represents an extracellular domain of BCMA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2005-555932/56.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-JAN-2004; 2004US-0540271P
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33; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Α,
                                                                                                                                                                                                                                                                                                                                                                   neoplasm;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                   immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 9;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                              cancer;
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Kelley RF,

Patel D;

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ARECO2018
ID ARECO2
XX ARCO2
XX APRIL
KW Cytos
XX Synth
XX Synth
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XX Kelle
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Best Local
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The specification describes polypeptides that bind APRIL or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic
                                                                                                                                                                 New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, for treating immune-related disease, cancer or T-cell mediated disease graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (BCMA) APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVMD) and inflammation. The present sequence represents polypeptide of the invention that binds APRIL, derived from
                                                                                                                  Claim 7;
                                                                                                                                                                                                                                               WPI; 2005-555932/56.
                                                                                                                                                                                                                                                                                                                                                          29-JAN-2004; 2004US-0540271P
                                                                                                                                                                                                                                                                                                                                                                                              04-AUG-2004; 2004WO-US025247.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cytostatic; neoplasm;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AEC02018;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI;
                                                                                                                                                       inflammation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Formula I derived polypeptide G that binds APRIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-OCT-2005
                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34 AA;
                                                                                                                  SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CSQNEYFDSLVHACKPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 9; 140pp;
                                                                                                                                                                                                                                                                                Patel D;
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                                                                                                            7; 140pp;
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                                                                                                              English
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.6e-17;
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disease
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KW APRIL
KW CYtos
XX Synth
XX Synth
XX HAPRIL
KW CYTOS
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                                                                                                                               Query Match
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                                                                                                           Matches
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                                                                                                                                                                                                                                                         The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents a polypeptide of the invention, derived from formula II (see AEC02021), that that bind BAFF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, for treating immune-related disease, cancer or T-cell mediated d such as graft rejection, graft versus host disease (GVHD) and
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                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 13; SEQ ID NO 18; 140pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inflammation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2005-555932/56.
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32; Conserv
                                                                                                                                  Similarity
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                                    CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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  CSONEYFOSLLHACIPCDLYCSSNTPPLTCORYC
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                                                                                                                                                                                                                  AA;
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                                                                                                           Conservative
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                                                                                                                                  94.0%;
94.1%;
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                                                                                                      Score 189; DB 9
Pred. No. 1e-16;
0; Mismatches
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Pred. No. 1e-16;
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                                                                                                      Gaps
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The specification describes polypeptides that bind APRIL or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents polypeptide of the invention that binds APRIL, derived from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APRIL;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              04-AUG-2004; 2004WO-US025247.
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                                                                                                                                                                         Human BAFF
                                                                                                                                                                                                                                                                                                                                                   AAB60700;
                                                                                                                                                                                                                                                                                                                                                                                                                              AAB60700 standard; protein; 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kelley
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B-cell maturation inhibitor; immunoglobulin
                                            Human BAFF-R; BAFF receptor; TNF family; immunoregulatory agent;
immune-related disorder; B-cell growth inhibitor; BCMA;
                                                                                                                                                                                                                                                              22-MAY-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CSQNEYFDSLLHACKPCDLYCSSNTPPLTCQRYC
                                                                                                                                                                         receptor (BAFF-R)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AΑ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               neoplasm; immunosuppressive; therapeutic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 182; DB Pred. No. 7.9e 0; Mismatches
                                                                                                                                                                         sequence encoded by A plasmid pJST535.
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7.9e-16;
les 3;
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production inhibitor
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RESULT 49 ADI53060 ID ADI53

ADI53060

standard; peptide;

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                                                                                                                                                                                                              consider, and also plays a love in the development of lypertunity of the construction of related disorders. BAFF-R, Kusion proteins containing it, and BAFF-R. CC specific antibodies can be used for inhibiting B-cell growth, dendritic cc cell-induced B-cell growth and maturation, and immunoglobulin production, and in the treatment of autoimmune disorders, B-cell lymphoproliferative cc and in the treatment of immunosuppressive disorders and HIV the control of immunosuppressive disorders and HIV the control of immunosuppressive disorders and HIV the control of infection, and in patients undergoing organ transplantation. The BAFF-R cc proteins or BAFF-R specific antibodies may be used for treating, between BAFF-R and BAFF, thereby inhibiting inflammation. Since BAFF-R cc inhibits B-cell growth and maturation it is useful for treating diseases such as systemic lupus erythematosus, autoimmune haemolytic anaemia, cc Grave's disease, multiple myeloma, B-cell carcinomas, leukaemia, rapidly progressive glomerulonephritis, and lymphomas. Nucleic acids encoding thuman BAFF-R may be used in gene therapy to treat tumours, lymphomas, cautoimmune disorders and inherited B-cell-associated disorders. The present sequence represents a human BAFF-R protein sequence as encoded by plasmid py57535. However, this BAFF-R protein sequence is 27 amino acids charter than there crime in hardfords.
                                                                              Matches
                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Inhibiting dendritic cell-induced B-cell growth, maturation and B-cell lympho-proliferative disorder by administering BAFF-receptor polypeptide, chimeric molecule comprising receptor or anti-BAFF-R antibody homolog.
                                                                                                                                                           Sequence 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to the use of a BAFF receptor (BAFF-R, also known as BCMA) protein, or a BAFF-R fusion protein as an agent for the treatment of a variety of immune-related disorders. BAFF-R is a member of the TNF (tumour necrosis factor) family, acting as an immunoregulatory agent, and also plays a role in the development of hypertension and related disorders. BAFF-R, fusion proteins containing it, and BAFF-R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-AUG-1999; 99US-0149378P.
11-FEB-2000; 2000US-0181684P.
18-FEB-2000; 2000US-0183536P.
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                     QNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
QNEYFDSLLHACIPCQLR---NTPPLTCQRYC
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                                                                              Conservative
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                                                                                                                                                                                                   given in AAB60698
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                                                                                               79.4%;
90.6%;
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                                                                            Score 159.5; DB 4
Pred. No. 2.7e-12;
0; Mismatches (
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RESULT 50
AABO8844
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KW BCMA,
KW anti-
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Best Local S
Matches 26
                                                                                                                                                                                                                                                                                                                                                                                                  neutrokine-alpha protein. The three-dimensional structure of a neutrokine-alpha protein is useful in determining the three-dimensional of other neutrokine-alpha proteins and their homologs. The compounds that mimic, prevent or inhibit the activity of the protein are useful for treating cancer, allergic disorders, or autoimmune diseases such as rheumatoid arthritis, multiple sclerosis, Crohn's disease, diabetes, systemic lupus erythematosus or asthma. This sequence represents the residues in the receptor for binding a cytokine ligand.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New crystalline Neutrokine-alpha protein, useful for designing compounds that bind, inhibit or mimic a Neutrokine-alpha protein or enhance the activity of a Neutrokine-alpha protein for treating e.g. cancer or
BCMA; necrosis factor-kB activator; NF-kB; gene expression; cancer; anti-cell death gene; apoptosis; viral infection; inflammatory response;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to a neutrokine-alpha protein in crystalline form. The crystalline neutrokine-alpha protein is useful for designing molecules that have biological activity or compounds that bind, inhibit or mimic a neutrokine-alpha protein and/or enhance the activity of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antirheumatic; antiarthritic; neuroprotective; antiinflammatory; antiidiabetic; dermatological; antiasthmatic; neutrokine-alpha; crystallography; cancer; allergic disorder; autoimmune disease; rheumatoid arthritis; multiple sclerosis; Crohn's disease; diabetes;
                                                                                      02-JAN-2001
                                                                                                                                                     AAB08844 standard;
                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Fig 4; 362pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                activity of a Neutrokine-alpha protein allergic disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-NOV-2001; 2001US-0331049P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-NOV-2002; 2002WO-US035661.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        systemic lupus erythematosus; asthma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein co-ordinate data; cytostatic; antiallergic; immunosuppressive;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human BCMA receptor binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-APR-2004
                                                   acid sequence of murine BCMA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oren DE,
                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                          26
                                                                                                                                                                                                                                      EYFDSLLHACIPCQLRCSSNTPPLTC 26
                                                                                                                                                                                                                                                                       EYFDSLLHACIPCQLRCSSNTPPLTC 30
                                                                                                                                                                                                                                                                                                                                                                        AA;
                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                    (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Arnold E, Volovik Y;
                                                                                                                                                     peptide;
                                                                                                                                                                                                                                                                                                  100.0%; =-
                                                                                    entry)
                                                                                                                                                                                                                                                                                                   Score 151; DB; Pred. No. 5.4:0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            site
                                                   polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        receptor
                                                                                                                                                                                                                                                                                                       5.4e-12;
hes 0;
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AAY71980
ID AAY7
XX
AC AAY7
XX
DT 28-A
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DE Muri
XX
KW Muri
KW Tumm
KW then
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                                                                                                                                                                                                                                                                   RESULT 51
                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
Matches 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to identify compounds which modulate BCMA activity (and thus NF-kB activity). The specification describes a method of identifying a polypeptide which increases gene expression from a promoter. The method involves contacting a library of with a cell which expresses a recombinant anti-cell death gene and a reporter gene operably linked to the promoter, and then determining whether the expression of the reporter gene is altered as a result of contact with library. The method is useful for identifying polypeptides which increase or decrease gene expression from a promoter. The BCMA polypeptide or nucleic acid are useful for preparing a pharmaceutical composition for treating cancer, apoptosis, viral infections, inflammatory response, such as rheumatoid arthritis, inflammatory bowel disease or septic shock. BCMA is useful for dentifying compounds that modulate NF-kB expression and thus for drug
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Key
Domain
 therapy; autoimmune disorder; rheumatoid arthritis; multiple sclerosis; systemic lupus erythematosus; SIE; insulin dependent diabetes mellicus; thrombocytopenia purpura; acute rheumatic fever; Goodpasture's syndrome haemolytic anaemia; Grave's disease; myasthenia gravis; BCMA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence represents a BCMA (not defined) po
a necrosis factor (NF)-kB activator. The method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 32; Fig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Identifying a modulator of gene expression for drug designing, by contacting a compound library with a cell expressing an anti-cell gene and reporter gene, and determining alteration in reporter gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-558405/51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          rheumatoid arthritis; inflammatory bowel disease; septic shock
                                                                      Murine; Tumour Necrosis Factor; TNF; immunosuppressant; TALL-1; Tumour necrosis factor and ApoL-related Leucocyte expressed Ligand 1;
                                                                                                                            Murine B cell maturation factor (BCMA) protein.
                                                                                                                                                               28-MAR-2001
                                                                                                                                                                                              AAY71980
                                                                                                                                                                                                                                 AAY71980 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
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                                                                                                                                                                                                                                                                                                                                                CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7B; 53pp; English
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70.6%;
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                                                                                                                                                                                                                                   185
                                                                                                                                                                                                                                                                                                                                                                                           Score 136; DB 3;
Pred. No. 3.2e-09;
2; Mismatches 6;
                                                                                                                                                                                                                                   B
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                                                                                                                                                                                                                                                                                                                                                                                                                              Length 185;
                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       polypeptide. BCMA is he invention is used
                                                                                                                                                                                                                                                                                                                                                                                             2;
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RESULT 52
AAE15490
ID AAE15
XX AAE15
XX AAE15
XX AAE15
XX AAE15
XX AOUSE
XX MOUSE
XX MOUSE
XX MOUSE
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XX MOUSE
XX AOUSE
XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      proteins (including homologues), and their antibodies. The invention in CC particular relates to methods for regulating the interaction between TALL CC -1 and TALL-1 receptors (BCMA referred as B cell maturation factor) to CC regulate monocyte, macrophage and B lymphocyte mediated immune responses. CC TALL-1 protein is useful for identifying compounds that regulate B CC lymphocyte proliferation. It is also useful for treating B lymphocyte associated autoimmune disorders like rheumatoid arthritis, systemic lupus CC erythematosus (SLE), insulin dependent diabetes mellitus, multiple CC enaemia, autoimmune thrombocytopenia purpura, Goodpasture's syndrome, CC pemphigus vulgaris, acute rheumatic fever, post-streptococcal CC glomerulonephritis, or polyarteritis nodosa. The TALL-1 protein and its C corresponding nucleic acid sequence are also useful in diagnostic assays. C The present sequence is a murine B cell maturation factor (BCMA). BCMA is
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Best Local :
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                                                       cytostatic, B cell maturation protein, BCMA, tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease;
                                                                                                                                                                                        Mouse; transmembrane activator and intracellular CAML interactor; TACI;
                                                                                                                                                                                                                                                      Mouse B cell maturation (BCMA) protein.
                                                                                                                                                                                                                                                                                                                        12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE15490
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-MAY-1999; 99US-0132892P
01-MAY-2000; 2000US-0201012P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N-PSDB; AAD02130
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (NAJE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cell
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                             disease; scleroderma; autoimmune disease; multiple sclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                           standard; protein; 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CFHSEYFDSLLHACKPCHLRCSN--PPATCQPYC 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                 (first entry)
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l glomerulonephritis; polyarteritis nodosa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         67.7%;
70.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 136; DB 4;
Pred. No. 3.2e-09;
2; Mismatches 6
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RESULT 5:
ADZ67762
ID ADZ6
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AC ADZ6
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DT 14-:
XX
DE Mous
XX
KW Tume
KW Cytc
XX
XX
OS Mus
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disease), drug and insect sting alleryy, limitanimum disease (multiple (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal bacterial, protozoal and viral infections (HIV), atherosclerosis, can; with leucocyte infiltration of the skin or organs. The present sequent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               family ligand), having the consensus region of TACI, BCWA, or the TACI/ BCWA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell lymphoproliferative disorders, one or more solid tumours such as lung, gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI antagonists are useful for treating inflammation and immune function diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic dermatitis, respiratory allergic disease (asthma, hypersensitivity lung disease), drug and insect sting allergy, inflammatory bowel disease (asthma, colities) soleroderma autoimmune disease (militale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-MAY-2000; 2000US-0204039P
27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mus
                    Mus musculus
                                                                          Tumor necrosis
                                                                                                                    Mouse tumor necrosis factor receptor BCMA
                                                                                                                                                            14-JUL-2005
                                                                                                                                                                                                     ADZ67762;
                                                                                                                                                                                                                                      ADZ67762 standard; protein; 185 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 185 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation protein (BCMA) activity in a mammal. The method comprises administering protein (BCMA) activity in a mammal. The method comprises factor-TNF constitution for APRIL (G70, a tumour negrois factor-TNF constitution for activities the constitution of mature for APRIL (G70, a tumour negrois factor-TNF constitution).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a method for inhibiting TACI activator and intracellular CAML interactor) and/or B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Fig 11; 94pp;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-MAY-2001; 2001WO-US015567
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rheumatoid arthritis; atherosclerosis
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                                                                                                                                                                                                                                                                                                                                                                                                                     24;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                              CSQNEYFDSLIHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                        CFHSEYFDSLLHACKPCHLRCSN--PPATCQPYC
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                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                            (first entry)
                                                                            factor receptor; BCMA; cancer; neoplasm; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                      67.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           English
                                                                                                                                                                                                                                                                                                                                                                                                                     2;
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Pred. No. 3.2e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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RESULT 54
AAE15489
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention provides novel tumor necrosis factor receptor ztnfr14 polymucleotides ADZ67753 and polymecleotides ADZ67754, expression vectors and antibodies. Human ztnfr14 polymucleotides are used in claimed methods for detecting a genetic abnormality in a patient and for detecting a cancer in a patient. Recombinant ztnfr14 polypeptide, optionally conjugated to a toxin, is used in a claimed method of killing cancer cells. Ztnfr14 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides can be used to detect ligands, agonists and used in methods that modulate tumor growth, metastasis, and immunity such as separating resting from stimulated immune cells. The present sequence is that of murine TNFR BCMA. This sequence was compared with that of murine ztnfr14 ADZ67756 in the identification of ztnfr14 as a member of
                                                                                                                                                                          Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCMA, tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease;
                                                                                                                                           Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; canc
                                                                                                                                                                                                                                                                                                            29-AUG-2003
12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                              AAE15489;
                                                                                                                                                                                                                                                                                                                                                                                           AAE15489 standard; protein; 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 10; 132pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New tumor necrosis factor receptor (TNFR) polypeptides, useful as detecting ligands, and for modulating tumor growth, metastasis and immunity, such as separating resting from stimulated immune cells
                              WO200187979-A2
                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                             Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-OCT-2003; 2003US-0511698P
18-OCT-2004; 2004US-0619552P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18-OCT-2004; 2004WO-US034375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2005037865-A2.
                                                                                                                               rheumatoid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TNFR
                                                                                                                                                                                                                                                                          BCMA-human immunoglobulin Fc region fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               σı
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CFHSEYFDSLLHACKPCHLRCSN--PPATCQPYC 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             185 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Holloway JL,
                                                                                                                               arthritis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                           (revised)
(first en
                                                                                                                                                                                                                                                                                                            entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             67.7%;
70.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 136; DB 9;
Pred. No. 3.2e-09;
2; Mismatches 6;
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                                                                                                                               fusion
                                                                                                                             protein;
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22-NOV-2001

Homo sapiens

WO200292620-A2

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RESULT 55
ABJ38417
ID ABJ38
XX
AC ABJ38
XX
TALL-
TX
TALL-
XX
TALL-
XW
TALL-
KW TALL-
KW TALL-
KW Syste
KW infla
KW Jlome
KW Jlome
KW Jlome
KW Jene
XX
MOZO(
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC protein (BCMA) activity in a mammal. The method comprises administering a CC specific binding partner for APRIL (G70, a tumour necrosis factor-TNF CC family ligand), having the consensus region of TACI, BCMA, or the TACI/CC BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI CC and/or BCMA in a mammal which is useful for treating B-cell or T-cell CC lymphoproliferative disorders, one or more solid tumours such as lung, CC gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI CC antagonists are useful for treating inflammation and immune function CC diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic CC dermatitis, respiratory allergic disease (asthma, hypersensitivity lung Cdisease), drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple Sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer companse BCMA protein-human immunoglobulin Fc region fusion protein. CC (Updated on 29-AUG-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local (
                                                                                              Alzheimer's disease; asthma; cachexia; cirrhosis; diabetes; osteoporosis; glomerulonephritis; Hashimoto's thyroiditis; ischaemic injury; psoriasis; multiple myeloma; multiple sclerosis; Parkinson's disease; vasculitis;
                                                                                                                                                                        TALL-1-binding protein; TALL-1; B-cell-mediated autoimmune disease; systemic lupus erythematosus; B-cell-mediated cancer; lymphoma;
                                                                                                                                                                                                                                TALL-1 related protein
                                                                                                                                                                                                                                                                                                                                                  ABJ38417 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 281 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-MAY-2000; 2000US-0204039P.
27-JUN-2000; 2000US-0214591P.
14-MAY-2001; 2001US-00214591.
                                                                                                                                                                                                                                                                        12-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Fig 10B; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention activator and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Theill LE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-MAY-2001; 2001WO-US015567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor fa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMGE-) AMGEN INC.
                                                                                                                                                        nflammation;
                                                                              therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2002-066686/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                              CFHSEYFDSLLHACKPCHLRCSN--PPATCQPYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Yu G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                    s erythematosus; B-cell-mediated cancer; lymphoma; rheumatoid arthritis; acute pancreatitis; atherosclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          relates to a method for inhibiting TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          intracellular CAML interactor)
                                                                                                                                                                                                                                                                                                                                                protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          67.7%;
70.6%;
                                                                                                                                                                                                                                  SEQ ID No 197
                                                                                                                                                                                                                                                                                                                                                  42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 136; DB 5; Pred. No. 4.9e-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and/or B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 281;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cell maturation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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RESULT 56
AAE15491
ID AAE15
XX AAE15
XX 29-AU
DT 29-AU
DT 12-MP
XX Human
XX Human
KW Cytos
KW 1ymph
KW Cytos
KW 1ymph
KW Crohn
KW Crohn
KW Crohn
KW Thuman
KW Thuman
KW Crohn
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    defined sequence in the specification. The composition is useful in modulating the activity of TALL-1, and in treating, preventing, ameliorating, diagnosing or prognosing a B-cell-mediated autoimmune disease (e.g. systemic lupus erythematosus) or B-cell-mediated cancer or lymphoma. The composition may also be used in treating inflammations (e.g. rheumatoid arthritis), acute pancreatitis, Alzheimer's disease, asthma, atherosclerosis, cachexia, cirrhosis, diabetes, injury, multiple glemerulonephritis, Hashimoto's thyroiditis, ischaemic injury, multiple myeloma, multiple sclerosis, osteoporosis, Parkinson's disease, psoriasis and vasculitis. Disorders may be treated with the novel composition using gene therapy. This sequence represents a TALL-1 related protein of the
                                                                                                                                                                                                                                                                                                                                                                  cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New TALL-1-binding polypeptide, useful for modulating the activity TALL-1 and in treating, preventing or diagnosing a B-cell-mediated autoimmune diseases, cancers or lymphomas.
14-MAY-2001; 2001WO-US015567
                                                                   22-NOV-2001
                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human-murine B cell maturation protein (BCMA) consensus sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-AUG-2003
12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE15491 standard; protein; 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 42 AA;
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                                                                                                                               WO200187979-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention relates
                                                                                                                                                                                                                                                                                                                                         immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transmembrane activator and intracellular CAML interactor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to a novel TALL-1-binding polypeptide comprising he specification. The composition is useful in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 42;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TACI;
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RESULT 57
AAE15492
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC protein (BCMA) activity in a mammal. The method comprises administering a CC specific binding partner for APRIL (G70, a tumour necrosis factor-TNF CC family ligand), having the consensus region of TACI, BCMA, or the TACI/CC BCMA extracellular consensus sequence, but not the extracellular region CC of TACI or BCMA. The method is useful for inhibiting activity of TACI CC and/or BCMA in a mammal which is useful for inhibiting activity of TACI CC quarteristic or prostate tumour such as lung, CC gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI CC antagonists are useful for treating inflammation and immune function CC diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic CC dermatitis, respiratory allergic disease (asthma, hypersensitivity lung disease), drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple Sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence cis human-murine B cell maturation protein (BCMA) consensus sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 23
                                                                                            drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                      Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCM1, tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;
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12-MAR-2002
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27-JUN-2000; 2000US-0214591P.
14-MAY-2001; 2001US-00214591.
                                                                            rheumatoid arthritis; atherosclerosis; mouse
                                                                                                                                                                                                                                                      Human-murine BCMA consensus sequence cysteine rich region.
                                                                                                                                                                                                                                                                                                                                                         AAE15492;
                                                                                                                                                                                                                                                                                                                                                                                              AAE15492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation
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                                                                                                                                                                                                                                                                                                                                                                                          standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AQCEYFDSLLHAC-PC-LRCS----PPTCQ-YC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                              (revised)
(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46.5%;
69.7%;
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                                                                                                                                                                                                                                                                                                                                                                                              24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 93.5; DB 5;
Pred. No. 0.00053;
1; Mismatches 2
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AAY94006
ID AAY94
XX AAY94
XX AAY94
XX AAY94
XX AAY94
XX AAY94
XX Humar
XX Humar
XX Humar
XX Humar
XX Ernf4 A
KW syste
KW syste
KW end g
KW end g
KW renal
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                                                                                                                                                                                                                                                                                                                                                                                                                 lymphoproliferative disorders, one or more solid tumours such as lung, gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI antagonists are useful for treating inflammation and immune function diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic dermatitis, respiratory allergic disease (asthma, hypersensitivity lung disease), drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence is human-murine B cell maturation protein (BCMA) consensus sequence cysteine rich region. (Updated on 29-AUG-2003 to standardise OS field)
Human; BR43x2; TACI receptor; extracellular domain; BCMA; B cell prote transmembrane activator and CAML-interactor; tumour necrosis factor; ztnf4 activity; antibody production; autoimmune disease; amyloidosis; systemic lupus erythematosus; myasthenia gravis; multiple sclerosis; rheumatoid arthritis; asthma; bronchitis; emphysema; pyelonephritis; end stage renal failure; glomerulonephritis; vasculitis; nephritis; renal neoplasm; multiple myeloma; lymphoma; light chain neuropathy;
                                                                                                                 A murine
                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         family ligand), having the consensus region of TACI, BCMA, or the TACI/BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TWF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor family
                                                                                                                                              20-OCT-2000
                                                                                                                                                                                                    AAY94006 standard; protein; 249 AA
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27-JUN-2000;
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                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                ztnf4, a tumour necrosis factor ligand
                                                                                                                                                                                                                                                                                                    EYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                           24 AA
                                                                                                                                                                                                                                                                          EYFDSLLHAC-PC-LRCS----PPTCO-YC
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2000US-0214591P.
2001US-00214591.
                                                                                                                                            (first entry)
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73.3%;
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Pred. No. 0
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sis factor; TNF;
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  Mus musculus
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BCMA (a related B cell protein) contain a cysteine rich domain, and are used for inhibiting ztnf4 activity. They may also be used for inhibiting BR43x2, TACI or BCMA receptor-ligand engagement associated with activated or resting B lymphocytes, effector T-cells, or with antibody production. The antibody production is associated with an autoimmune disease selected from systemic lupus erythematosus, myasthenia gravis, multiple sclerosis and rheumatoid arthritis. The ztnf4 activity and BR43x2, TACI or BCMA receptor-ligand engagement is associated with asthma, bronchitis, emphysema, end stage renal failure, glomerulonephritis, vasculitis, nephritis, pyelonephritis, renal neoplasms, multiple myelomas, lymphomas, light chain neuropathy, amyloidosis, moderating immune response, inflammation, insulin dependent diabetes mellitus, Crohn's disease, joint pain, swelling, anaemia, or septic shock. BR43x2, TACI, and BCMA polypeptides, fusions, antibodies, agonists or antagonists can be used to treat hypertension, renal artery stenosis, or occlusion, and cholesterol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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Best Local
                                                                                                        Mouse protein sequence mCP1369
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                                                        Cytostatic; carcinoma; lymphoma;
                                                                                                                                                                18-NOV-2004
                                                                                                                                                                                                                   ABM85744;
                                                                                                                                                                                                                                                                      ABM85744 standard; protein; 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence represents murine ztnf4, a tumour necrosis factor ligand. The extracellular domains of BR43x2 (an isoform of the ligand. The extracellular domains of ER43x2 (an isoform), TACI or transmembrane activator and CAML interactor (TACI) receptor), TACI or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 emboli
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                                                        cancer; murine
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naemia; septic shock;
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RESULT 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to novel DNA and protein sequences which are associated with carcinomas. The sequences are useful for: (i) for screening drug candidates; (ii) for screening of bioactive agent capable of binding to Carcinoma Associated Protein (CAP); (iii) for screening of a bioactive agent capable of modulating the activity of CAP; (iv) for evaluating the effect of a candidate carcinoma drug; (v) for treating carcinoma; (vi) for inhibiting the activity of CAP; (vi) for treating carcinoma; (viii) for neutralizing the effect of CAP; (xi) as a biochip; (x) for diagnosing carcinoma or a propensity to carcinoma; and (xi) for determining Carcinoma Associated (CA) gene copy number. In addition, the CAP genes are useful as DNA vaccines and the CAP are useful as markers of carcinoma including lymphoma. The present sequence is one such CAP. Note: This patent is an equivalent to basic patent US2002182586A1, for which no sequence data was published
                                                                                                                    16-OCT-2003;
18-OCT-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse tumor necrosis factor receptor TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADZ67773 standard; protein; 249
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                                                                                                                                                                                                                                                                                                                                                                                                                                      cytostatic.
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                                                           ( OMYZ)
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                                                           ZYMOGENETICS
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  Holloway JL,
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  РО,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TACI; cancer; neoplasm; diagnosis,
  Dillon SR;
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RESULT 61
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The present invention relates to a method of characterizing proteins present in the plasma membrane (PM) of live cells. The proteins of the invention are useful in identifying diagnostic markers and potential
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                                                                                                                                                                                                         Characterizing proteins present in a plasma membrane of a cell, useful in identifying diagnostic markers and potential drugs, comprises subjecting
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 21; 132pp; English.
                                                                                                                          Claim 25;
                                                                                                                                                                                                                                                                                                                                                                                       Linial M,
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                                                                                                                    SEQ ID NO 54; 196pp; English.
                                                                                                                                                                                                                                                                                                                                                                                    Inberg A,
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Pred. No. 0.73
8; Mismatches
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                                                      The present invention relates to novel mucin-like proteins (I) and their coding sequences. The mucin-like proteins and coding sequences are useful in the therapy or in the prevention of a disease when the increase in the mucin-like activity of a polypeptide is needed e.g. bacterial infections, allergic asthma, inflammation, respiratory syncytial virus (RSV)-induced disease, allergic conjunctivitis, otitis, tissue injury, epithelial wounding, inflammatory bowel disease, Crohn's disease, small adenocarcinoma of the lung, lung cancer, gastric intestinal metaplasia, chronic cholecystitis, or skin cancer. The present sequence is a mucin glycoprotein which was used in a sequence alignment with the mucin-like proteins of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antibacterial; Virucide; Antiallergic; Antiasthmatic; Antiinflammatory; Ophthalmological; Auditory; Vulnerary; Gastrointestinal; Cytostatic; Gene Therapy; Mucin-like protein; human; mucin; bacterial infection; allergic asthma; inflammation; viral infection; allergic conjunctivitis; otitis; tissue injury; epithelial wounding; inflammatory bowel disease; Crohn's disease; small adenocarcinoma of the lung; lung cancer; gastric intestinal metaplasia; chronic cholecystitis; skin cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   drugs. The invention is useful for identifying drugs for diagnosing and treating disorders such as cancer which are associated with abnormal representation of cell surface proteins. The present sequence is mouse tumor necrosis factor receptor superfamily member 13b protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New isolated mucin-like polypeptides, useful for diagnosing or treating, e.g. bacterial infections, allergic asthma, inflammation, allergic conjunctivitis, otitis, inflammatory bowel disease, Crohn's disease, lun
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 2;
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Pred. No. 0.73
8; Mismatches
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Best Local S
Matches 14
                                                          Matches
                                                                     Query Match
Best Local
                                                                                                                                          coding sequences. The present sequence is one such human mucin-like protein. The mucin-like proteins and coding sequences are useful in the therapy or in the prevention of a disease when the increase in the mucin-like activity of a polypeptide is needed e.g. bacterial infections, allergic asthma, inflammation, respiratory syncytial virus (RSV)-induced disease, allergic conjunctivitis, otitis, tissue injury, epithelial wounding, inflammatory bowel disease, Crohn's disease, small adenocarcinoma of the lung, lung cancer, gastric intestinal metaplasia, chronic cholecystitis, or skin cancer.
                                                                                                                                                                                                                                                                                                                                                      New isolated mucin-like polypeptides, useful for diagnosing or treating, e.g. bacterial infections, allergic asthma, inflammation, allergic conjunctivitis, otitis, inflammatory bowel disease, Crohn's disease, lun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ophthalmological; Auditory; Vulnerary; Gastrointestinal; Cytostatic; Gene Therapy; Mucin-like protein; human; mucin; bacterial infection; allergic asthma; inflammation; viral infection; allergic conjunctivitis; otitis; tissue injury; epithelial wounding; inflammatory bowel disease; crohn's disease; small adenocarcinoma of the lung; lung cancer; gastric intestinal metaplasia; chronic cholecystitis; skin cancer.
                                                                                                                 Sequence
                                                                                                                                                                                                                                                                               The present invention relates to novel mucin-like proteins (I) and their
                                                                                                                                                                                                                                                                                                            Claim 2;
                                                                                                                                                                                                                                                                                                                                                                                                                    WPI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mature Human mucin-like protein, SCS0004, variant SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-NOV-2004
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                             CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQ
                                                                                                                  2240 AA;
                                                                                                                                                                                                                                                                                                            SEQ ID NO 4; 170pp; English.
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CSQDEYFDHEEGVCVPCM-----
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                                                          Conservative
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45.2%;
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                                                       Score 68.5; D
Pred. No. 16;
2; Mismatches
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  ADR18915
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                                            ADR18915 standard; protein; 2264 AA
                                                                                                                                                                                                                                                                                                                                    Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bienkowska J,
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Pred. No. 16;
2; Mismatches
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                                                                                    neuroleptic; subtilisin-like protein convertase 6 agonist; subtilisin-like protein convertase 6 antagonist; transgenic; subtilisin-like protein convertase 6; SPC6; schizophrenia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein. The mucin-like proteins and coding sequences are useful in the therapy or in the prevention of a disease when the increase in the mucin-like activity of a polypeptide is needed e.g. bacterial infections, allergic asthma, inflammation, respiratory syncytial virus (RSV)-induced disease, allergic conjunctivitis, otitis, tissue injury, epithelial wounding, inflammatory bowel disease, Crohn's disease, small adenocarcinoma of the lung, lung cancer, gastric intestinal metaplasia,
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                                                                                                                                                                                                                                                                      Mouse subtilisin-like protein convertase
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                                                                                                                                                                           Parkinson's disease; pain; colon; pelvic pain; pre-oesophageal dysphagia; gastritis; ulcers; urinary incontinence; lupus nephritis; renal transplant rejection; myocardial infarction; erectile dysfunction; ovary; lung; thyroid; carcinoma; lymphoma; Kaposi's sarcoma; congestive heart failure; ischaemia; hypertensive vascular disease.
                                                                                                                                                                                                                                                                                                                                Subtilase; chromosome 9q21.13; EST; expressed sequence tag; kidney; renal cell; head; neck; heart; multiple sclerosis; lesion; cervix; pooled germ cell; tumour; uterus; adenocarcinoma; retina II; stomach; proprotein convertase subtilisin; furin-like repeat; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Murine subtilase
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24-SEP-2001;
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   24-JUL-2003
                                                                                                                        Mus musculus
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DB; ADC71567.
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Pred. No. 15;
4; Mismatches
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New subtilase-encoding polynucleotide and its encoded protein, useful identifying modulators of subtilase activity, and in gene therapy for treating e.g. Alzheimer's disease, cancers, congestive heart failure of the control of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI;
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29-JUL-2002;
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2002US-0398734P.
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Pred. No. 18
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drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;

rheumatoid arthritis;

atherosclerosis

Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;

Human TACI

cysteine-rich consensus region #1

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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           lymphoproliferative disorders, one or more solid tumours such as lung gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI antagonists are useful for treating inflammation and immune function diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic dermatitis, respiratory allergic disease (asthma, hypersensitivity lung disease), drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence is human TACI cysteine-rich consensus region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TNF family ligand), having the consensus region of TACT BCMA ACTIVITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor family
             antithyroid; antipyretic; nephrotropic; vasotropic; vaccine; autoimmune disease; rheumatoid arthriti; systemic lupus erythematosus; insulin dependent diabetes mellitus; multiple sclerosis;
                                                                                    TALL-1; antagonist; immunosuppressive; antirheumatic; antiinflammatory;
                                                                                                                         Human TACI1 cysteine rich
                                                                                                                                                                20-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    family ligand), having the consensus region of TACI, BCMA, or the TACI/
BCMA extracellular consensus sequence, but not the extracellular region
of TACI or BCMA. The method is useful for inhibiting activity of TACI
and/or BCMA in a mammal which is useful for treating B-cell or T-cell
                                                                     antiarthritic;
                                                                                                                                                                                                                                     ADA49368 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
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27-JUN-2000; 2000US-0214591P.
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                                                                   dermatological; antidiabetic; neuroprotective;
                                                                                                                                                                                                                                   peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                        33.1%;
                                                                                                                           domain.
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Pred. No. 0.41;
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                                                                                                                                                                                                                                                                                                                                                                                                       1;
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                                                                                                                                                                                                                                                                                                                                                           The invention relates to a novel TALL-1 antagonist protein, comprising a cequence that differs from SEQ ID NO:2, or amino acids 114-285 of SEQ ID CC NO:2, by at least one modification in the region connecting &bgr; strands CC D and E that reduces the biological activity of the TALL-1 antagonist as compared to wild-type TALL-1. A protein of the invention has immunosuppressive, antidiabetic, antinflammatory, antiarthritic, CC dermatological, antidiabetic, neuroprotective, antityroid, antipyretic, CC nephrotropic, and vasotropic activity. A TALL-1 antagonist may be used in a vaccine. A protein of the invention is useful for inhibiting TALL-1 cc biological activity in a mammal. TC is useful for treating autoimmune diseases, rheumatoid arthritis, systemic lupus erythematosus, insulin CC diseases, rheumatoid arthritis, systemic lupus erythematosus, insulin CC Grave's disease, autoimmune hemolyteic anaemia, autoimmune cutering disease, autoimmune hemolyteic anaemia, autoimmune vulgaris, conterphenotytopenic purpura, Goodpasture's syndrome, pemphigus vulgaris, acute rheumatic fever, post-streptococcal glomerulonephritis and company (CDN) and (CDN) account sequence represents a cysteine rich company (CDN) accounts sequence represents a cysteine rich
                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-OCT-2001;
14-JAN-2002;
07-FEB-2002;
13-AUG-2002;
                                                                                                                        AAU10951;
                                                                                                                                                   AAU10951 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel TALL-1 antagonist protein useful for inhibiting TALL- 1 biological activity in mammal, has a modification in the region connecting beta strands D and E that reduces the biological activity of TALL-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             autoimmune thrombocytopenic purpura; Goodpasture's syndrome; pemphigus vulgaris; acute rheumatic fever; post-streptococcal glomerulonephritis; polyarteritis nodosa; cysteine rich domain.
                                                                                           12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Zhang G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-OCT-2002; 2002WO-US034376
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                                                                                                                                                                                                                                                                                                              Local
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                                                                                                                                                                                                                                                                                              . Similarity 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                           33
                                                                                                                                                                                                                                                               CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                  CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; 2001US-0345106P.
; 2002US-0348962P.
; 2002US-0354966P.
; 2002US-0403364P.
                                                                                                                                                                                                                                                                                              Conservative
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                                                                                                                                                                                                                                                                                                                                                                                         module of human TACI1.
                                                                                         (first
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                                                                                           entry)
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Pred. No. 0.41
8; Mismatches
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                                                            rich repeat region #1.
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                                                                                                                                                                                                                                                                                              Gaps
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wermacuruy:car; neuroprotective; nootropic; immunomodulator; metabolic; antidiabetic; analgesic; nephrotropic; osteopathic; cytostatic; fever; Human, AGP-3; antiinflammatory; antiarthritic; immunosuppressive; dermatological; neuroprotective; nootropic; immunomodulator; meta

Human AGP-3

receptor cysteine

antiparkinsonian; antipsoriatic; vasotropic; antibacterial; asthma; AGP-3 receptor; tumour necrosis factor ligand family; AGP-3 receptor; mesenteric lymph node; AGP-3R; inflammatory disease; immune disorder; rheumatoid arthritis; graft-versus-host disease; Crohn's disease; rheumatoid arthritis; graft-versus-host disease; Crohn's disease;

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                                                                                                                                                                                           cc used to treat diseases characterised by inflammatory processes or common to the disease characterised by inflammatory processes or common disease, Crohn's disease, lupus, etc. [I] is also useful in the cc production of hybridoma cells which are derived from B cells, which cc involves treating the hybridoma cells with [II]. (II) is useful in the ct treatment of inflammatory conditions of joints, e.g., rheumatoid cc arthritis, osteoarthritis, etc. (II), its agonists or antagonists are cuseful for treating acute pancreatitis, amyctrophic lateral sclerosis cc (ALS), Alzheimer's disease, asthma, atherosclerosis, cachexia/anorexia, cc diabetes, fever, glomerulonephritis, inflammatory bowel disease, multiple sclerosis, osteoporosis, Parkinson's disease, pain, reperfusion injury, cc septic shock, etc. The nucleic acids are also useful for developing coplypeptides and for the study of in vivo biological activity. The coresents the amino acid sequence of human AGP-3 cc cysteine-rich repeat region #1
                                                                               Matches
                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a composition (I) comprising AGP-3 receptor (tumour necrosis factor ligand family member) related protein (II) attached to a vehicle protein (I) is useful for modulating AGP-3-related activity in mesenteric lymph nodes (MLN) of a mammal. (II) is useful in assays to identify cells and tissues that express AGP-3R or proteins related to AGP-3R-related protein and for identifying compounds (agonists or antagonists) that interact with AGP-3R proteins. (II) is also useful for identifying intracellular proteins that interact with the respective cytoplasmic domains by yeast two-hybrid screening process. (II) is involved in B cell growth, survival and activation particularly in lymph node, spleen, and Peyer's patches. AGP-3R agonists and antagonists identified using (II) are used for modulating B cell response and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Composition, useful for identifying modulator of receptor for treating asthma and glomerulonephritis, comprises AGP-3 (tumor necrosis factor ligand family member) receptor and encoding nucleic acids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         pancreatitis; amyotrophic lateral sclerosis; ALS; Alzheimer's disease; diabetes; glomerulonephritis; inflammatory bowel disease; ischaemia; multiple sclerosis; Parkinson's disease; transgenic animal.
                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Fig 18; 124pp;
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                                                                                                  Local
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                                                                                                  Similarity
                                                                                                                                                               37
                                    CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
  CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
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                                                                                              33.1%;
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                                                                         Score 66.5; DI
Pred. No. 0.46
8; Mismatches
                                                                                              66.5; DB
No. 0.46;
                                                                                                                  5
                                                                             14;
                                                                                                                    Length 37;
                                                                           Gaps
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RESULT 71 ADZ67772

Human; transmembrane activator and intracellular CAML interactor; TAC cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancree prostate; inflammation; immune disorder; diarrhoea; psoriasis; coliti

Human TACI cysteine rich extracellular region.

12-MAR-2002

(first

entry)

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AAE15500
ID AAE1
XX
AC AAE1
XX
AC AAE1
XX
DT 12-N
XX
DE Humm
XX
DE Humm
KW Humm
KW Cytc
KW 1ymg
KW 1ymg
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                                                                                                                                                                                                 RESULT 72
                                                                                                                                                                                                                                                                                                          Matches
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                                                                                                                                                                                                                                                                                                                                                                                    vectors and antibodies. Ztnfr14 polymucieurus and the vectors and antibodies. Ztnfr14 polymucieurus and for methods for detecting a genetic abnormality in a patient and for detecting a cancer in a patient. Recombinant ztnfr14 polypeptide, optionally conjugated to a toxin, is used in a claimed method of killing cancer cells. Ztnfr14 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides, polymucleotides and antibodies may also be used in methods that modulate tumor growth, metastasis, and immunity such as separating resting from stimulated immune cells. The present sequence is that of the Cys-rich domain of human TNFR TACI ADZ67771. This sequence was compared with that of ztnfr14 in the identification of ztnfr14 as a member of the TNFR family.
                                                                                                                                                                                                                                                                                                                                                                       Sequence 48 AA;
                                                                                                                                     AAE15500;
                                                                                                                                                                  AAE15500 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 20; 132pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New tumor necrosis factor receptor (TNFR) polypeptides, useful as detecting ligands, and for modulating tumor growth, metastasis and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2005-315682/32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Fox BA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-OCT-2003; 2003US-0511698P.
18-OCT-2004; 2004US-0619552P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumor necrosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human tumor necrosis factor receptor TACI Cys-rich domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-JUL-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  immunity, such as separating resting from stimulated immune
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                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention provides novel tumor necrosis factor receptor (TNFR) fr14 polynucleotides ADZ67753 and polypeptides ADZ67754, expression tors and antibodies. Ztnfr14 polynucleotides are used in claimed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sapiens
                                                                                                                                                                                                                                              13
                                                                                                                                                                                                                                                                           1 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZYMOGENETICS INC
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                                                                                                                                                                                                                                           CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
                                                                                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                factor receptor; TACI; cancer; neoplasm; diagnosis;
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                                                                                                                                                                                                                                                                                                                        33.1%;
32.4%;
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                                                                                                                                                                                                                                                                                                          Score 66.5; DB Pred. No. 0.6; B; Mismatches
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RESULT 73
AAW75785
ID AAW75
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AC AAW75
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DT 18-JA
XX
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DE Human
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CALci
KW TACI;
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                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a method for inhibiting TACI (transmembrane CC activator and intracellular CAML interactor) and/or B cell maturation CC protein (BCMA) activity in a mammal. The method comprises administering a specific binding partner for APRIL (670, a tumour necrosis factor-TNF CC family ligand), having the consensus region of TACI, BCMA, or the TACI/C BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA in a membal suseful for inhibiting activity of TACI CC and/or BCMA in a mammal which is useful for treating B-cell or T-cell CC lymphoproliferative disorders, one or more solid tumours such as lung, CC gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI CC diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic CC dermatitis, respiratory allergic disease (asthma, hypersensitivity lung CC disease), drug and insect sting allergy, inflammatory bowel disease (C crohn's disease, colitis), scleroderma, autoimmune disease (multiple CC sclerosis, rheumatoid arrhritis, systemic lupus erythematosus), fungal, CC bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer cwith leucocyte infiltration of the skin or organs. The present sequence cc is human TACI cysteine-rich extracellular region
                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local
                                                                                                                                                                                                                                                                                                                               Matches
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27-JUN-2000;
14-MAY-2001;
                                                                                            18-JAN-1999
                                                                                                                                                                AAW75785 standard; protein; 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer; rheumatoid arthritis; atherosclerosis.
   calcium
                  TACI; transmembrane activator and CAML-interactor;
                                                     Human lymphocyte surface receptor extracellular
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                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 59 AA;
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signal-modulating
                                                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                                                                                                                         CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 33
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                                                                                                                                                                                                                                                                                                                              Conservative
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2000US-0214591P.
2001US-00214591.
                                                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                             33.1%;
cyclophilin ligand; human;
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                                                                                                                                                                                                                                                                                                                                             Score 66.5;
Pred. No. 0.
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RESULT 74
AAE15494
ID AAE15
XX AAE15
XX AAE15
XX I2-MA
XX I2-MA
XX U3-MA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   regulate B cell responses without affecting T cell activity. The extracellular domain of TACI functions as a binding site for a ligand that stimulates the activation of the cell by inducing the binding of C-terminal portion (see AAW75784) of TACI to the N-terminal domain of CAML. A recombinant form of the extracellular portion of TACI acts as dominant-negative or blocking agent and acts to suppress the immune system. It can be used to treat or prevent autoimmune disease, graft rejection or graft versus host disease. The extracellular region is all used in a claimed method for identifying a ligand for TACI, in which binding of a candidate molecule is determined by detecting cellular activation of the AP-1, CAMP or NF-KB pathway, of NF-AT transcription factor, or of NF-AT dependent transcription
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lymphocyte surface receptor; human; B-cell; B lymphocyte; infection; cancer; rheumatoid arthritis; autoimmune disease; glomerulonephritis; immunosuppressive, graft versus host disease; transplant rejection; therapy; signal transduction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     extracellular, domain of novel human transmembrane activator and CAML-interactor (TACI) protein (see AAWT5733). TACI is a lymphocyte receptor protein that is involved in the calcium activation pathway. It is normally present in B-lymphocytes, and to a much lesser extent in immature T-lymphocytes, and to a targetted to specifically
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 166 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 8; Page 73; 89pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          conditions, transplant rejection or graft-versus-host disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New isolated transmembrane activator protein - used to develop products for treating e.g. infections, cancers, autoimmune and inflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N-PSDB;
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                                                                                                                                                                                                                                                           12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                 AAE15494 standard; protein; 166 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1998-506346/43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ST JUDE CHILDREN'S RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CSQNEYFOSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid sequence of the N-terminal,
                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  97US-00810572.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 66.5;
Pred. No. 2.
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prostate; inflammation; drug allergy; dermatitis

Human TACI extracellular domain.

Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCM1, tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;

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ADNO3188
ID ADNO
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KW tran
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                                                                                                                                                                                                                                                                                                   S
                                                                                                                                                                                                                                                                                                                                                                                                                                        cc protein (BCMA) activity in a mammal. The method comprises administering a compecific binding partner for APRIL (G70, a tumour necrosis factor-TNF cf family ligand), having the consensus region of TACI, BCMA, or the TACI/CC BCMA extracellular consensus sequence, but not the extracellular region cc of TACI or BCMA in a mammal which is useful for inhibiting activity of TACI or BCMA in a mammal which is useful for treating B-cell or T-cell lymphoproliferative disorders, one or more solid tumours such as lung, cgastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI cantagonists are useful for treating inflammation and immune function cdiseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic cdiseases, drug and insect sting allergy, inflammatory bowel disease (Ctrohn's disease, colitis), scleroderma, autoimmune disease (multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, colacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence is human TACI protein extracellular domain
                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-MAY-2000;
27-JUN-2000;
14-MAY-2001;
transmembrane activator and CAML interactor; TACI; extracellular domain; trimerising polypeptide; homotrimeric protein complex; antiinflammatory; antiarthritic; antirheumatic; immunosuppressive; antiarteriosclerotic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor family
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; . human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer; rheumatoid arthritis; atherosclerosis.
                                                                                                                                              ADN03188;
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 166 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     activator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Fig 12A; 94pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-066686/09
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                                                                        Human TACI-HSBP fragment SEQ ID NO:18
                                                                                                           15-JUL-2004 (first entry)
                                                                                                                                                                               ADN03188 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ligand
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                                                                                                                                                                                                                                                                                                                                                         Local Similarity
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                                                                                                                                                                                                                                                                    CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
                                                                                                                                                                                                                                                                                                     CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Yu G;
                                                                                                                                                                                                                                                                                                                                        Conservative
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2000US-0214591P.
2001US-00214591.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        relates to a method for inhibiting TACI (transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   intracellular CAML interactor) and/or B cell maturation
                                                                                                                                                                               protein; 171
                                                                                                                                                                                                                                                                                                                                                       33.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     English.
                                                                                                                                                                                                                                                                                                                                      8;
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Pred. No. 2
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                                                                                                                                                                                                                                                                                                                                                                        Length 166;
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AAE09244
ID AAEC
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                                                                                                                                                                  RESULT 76
                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes an isolated polypeptide comprising an CC extracellular domain of the transmembrane activator and calcium-signal CC modulating cyclophilin ligand (CAML) interactor (TACI), and a trimerising CC polypeptide. Also described: (1) a homotrimeric protein complex CC comprising the polypeptide; (2) an expression vector comprising the polypeptide; (2) an expression vector comprising the ccid sequence encoding the polypeptide, and a transcription promoter, the nucleic cc following operably linked elements, a transcription promoter, the nucleic cc acid sequence encoding the polypeptide, and a transcription vector, cc where the cell into which has been introduced the expression vector, cc where the cell expresses the polypeptide; (4) producing a homotrimeric cc protein complex by culturing the cell, and recovering the homotrimeric cc protein complex. The polypeptide has antiinflammatory, antiarthritic, and controlling inflammatory, antiarthritic and cytostatic cativities, and can be used in gene therapy. The polypeptides are useful for treating and controlling inflammatory diseases, e.g. rheumatoid cathritis or inflammatory bowel disease, autoimmune disease.

CC atherosclerosis, osteoporosis, almograft rejection and cancer. The presents a human TACI and heat shock binding protein (HSBP) fusion protein fragment, which is used in the exemplification of
                                                                                                                                                                                                                                                                                            Query Match
Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cytostatic; gene therapy; inflammatory disease; rt inflammatory bowel disease; autoimmune disease; at osteoporosis; allograft rejection; cancer; human; heat shock binding protein; HSBP; fusion protein.
                                                         19-NOV-2001
                                                                                           AAE09244;
                                                                                                                                                                                                                                                                                                                                                                Sequence 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 4; SEQ ID NO 18; 36pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New polypeptide comprising an extracellular domain of the transmembrane activator and calcium-signal modulating cyclophilin ligand (CAML) interactor (TACI), and a trimerizing polypeptide, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB; ADN03187
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                                                                                                                           AAE09244 standard; protein; 265 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-OCT-2002; 2002US-0417801P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-OCT-2003; 2003WO-US032878
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inflammatory diseases.
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                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2004-364855/34.
                                                                                                                                                                                                                                                         CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                         CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
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                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                      invention.
                                                                                                                                                                                                                                                                                                                                                                  A
                                                       (first entry)
                                                                                                                                                                                                                                                                                                           33.1%;
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                                                                                                                                                                                                                                                                                            8; Score 66.5; Di
Pred. No. 2.2;
8; Mismatches
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                                                                                                                                                                                                                                                                                              14;
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atherosclerosis;
                                                                                                                                                                                                                                                                                                                              Length 171;
                                                                                                                                                                                                                                                                                               Indels
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Human TACI splice variant protein.

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RESULT 77
ARBY9772
ARBY9772
ARC ABBYS
XX
AC ABBYS
XX
DT 28-N
XX
DT 28-N
XX
DT TALLX
XX
PN WO20
XX
PD 20-1
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to methods of using one or more agonists or antagonists to modulate the activity of the members of TWF (tumour necrosis factor) especially TALL-1, APRIL and TMF receptor (TWFR) e.g. TACI or BCMA. The method is useful for treating pathological conditions or diseases associated with increased TALL-1 and APRIL expression or activity. TALL-1 and APRIL antagonists are used to block the interaction between APRIL and TALL-1 with TACI or BCMA. They are useful for treating a mammal suffering from cancer such as leukasemia, lymphoma, myeloma, cancers of lung and colon and autoimmune diseases e.g. rheumatoid arthritis, multiple sclerosis, psoriasis and lupus erythematosus. The present sequence is human TACI splice variant protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Inhibiting or neutralizing TALL-1 or APRIL polypeptide biological activity, for treating autoimmune disorders and cancer, comprises exposing the cells to TALL-1 or APRIL polypeptide agonists or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; TNF; tumour necrosis factor; TALL-1; APRIL; TNF receptor; TNFR; TACI; BCMA; therapy; cancer; leukaemia; myeloma; lymphoma; psoriasis autoimmune disease; rheumatoid arthritis; multiple sclerosis; psoriasis
               24-JUL-2002; 2002WO-US023487
                                            20-FEB-2003.
                                                                        WO2003014294-A2
                                                                                                    Homo sapiens
                                                                                                                                                                          Amino acid sequence of an alternatively spliced human TACI receptor.
                                                                                                                                                                                                         28-MAY-2003
                                                                                                                                                                                                                                       ABP97723;
                                                                                                                                                                                                                                                                 ABP97723 standard; protein;
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22-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Fig
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                 Local
                                                                                                                                                                                                                                                                                                                                           34
                                                                                                                                             TACI; BR3; receptor; tumour necrosis factor ligand; TNF ligand;
                                                                                                                                                                                                                                                                                                                                                                      μ
                                                                                                                                 April;
                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                                                                                                                                                                                                         CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
                                                                                                                                                                                                                                                                                                                                                                      CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                           265
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₽,
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2000US-0226986P.
                                                                                                                                                                                                        (first entry)
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                                                                                                                                 systemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; 160pp; English
                                                                                                                                                                                                                                                                                                                                                                                                              33.1%;
                                                                                                                                 lupus erythematosus
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                                                                                                                                                                                                                                                                  266
                                                                                                                                                                                                                                                                                                                                                                                                 Score 66.5; DB Pred. No. 3.4; B; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                              Length 265;
                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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RESULT 78
ADW03442
IDW 03442
ADW033
XX ADW03
XX ADW03
XX ADW03
AC ADW03
XX ADW03
AC ADW03
XX ADW04
AC ADW04
XX ADW04
AC ADW04
XX B-lym
XW MAC Chron
XW Infla
XW Wegen
XW Widiop
XW Widiop
XW MASCHU
XW MASCHU
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XW MASCHU
XW MO2000
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PR 05-JU
PR 05-JU
PR 05-JU
PR 06-JU
XX O6-JU
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                                                                                                                                                                                                                            05-JUN-2003; : 05-JUN-2003; : 06-JUN-2003; :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B-lymphocyte; b-cell lymphoma; autoimmune disease; immunosuppressive; non-hodgkin lymphoma; hodgkins disease; cytostatic; chronic lymphocytic leukemia; hairy cell leukemia; rheumatoid arthritis; antiarthritic; antirheumatic; systemic lupus erythematosus; wegener granulomatosis; antiallergic; antiinflammatory; vasotropic; inflammatory bowel disease; gastrointestinal-gen; idiopathic thrombocytopenic purpura; hemostatic; multiple sclerosis; asthma; antiasthmatic; psoriasis; antipsoriatic; myasthenia gravis; muscular-gen; neuroprotective; vasculitis; diabetes; antidiabetic;
Depleting B cells from a mixed population of cells by contacting cells with a BLyS antagonist and a CD20 binding antibody, useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human TACI protein amino acid sequence #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present sequence represents an alternatively spliced human TACI polypeptide. The specification also describes BR3 polypeptides. TACI and BR3 are receptors. Tumour necrosis factor (TNF) family ligands TALL-1 and April bind to the TACI receptor, while TNF family ligands TALL-1 also binds to BR3 receptor. The TACI and BR3 receptor nucleic acid is useful for preparing a composition for treating systemic lupus erythematosus
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                                                                                                                                                                                                                                                                                                                                  04-JUN-2004; 2004WO-US017693
                                                                                                                                                                                                                                                                                                                                                                                        06-JAN-2005.
                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2005000351-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            glomerulonephritis; nephrotropic; TACI.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADW03442 standard; protein; 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 266 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure;
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30-APR-2002;
                                                                                                                                                                              (GETH )
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                                                                                                                                                                                                                            ; 2003US-0476414P.
; 2003US-0476481P.
; 2003US-0476531P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fig 8; 153pp; English.
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2002US-0377171P.
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                                                                                                                              Martin
                                                                                                                                                                              INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 66.5; DB Pred. No. 3.4; 8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
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Best Local Similarity
Thes 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention comprises a method of depleting B cells from a mixed population of cells, the method involves contacting the mixed population of cells with BLYS antagonist (e.g. an immunoadhesin) and a CD20 binding antibody (e.g. hu2H7.v16). The method of the invention is useful for treating B cell malignancies and autoimmune disorders, such as: non-Hodgkin's lymphoma, Hodgkin's disease, follicular center cell lymphoma, lymphocytic leukemia, Hairy cell leukemia, rheumatoid arthritis, systemic lupus erythematosus, Wegener's disease, inflammatory bowel disease, idiopathic thrombocytopenic purpura, multiple sclerosis, asthma, psoriasis, Igh nephropathy, myasthenia gravis, vasculitis, diabetes and glomerulonephritis. The present amino acid sequence represents a human
                                                                                                                                                  Composition, useful for identifying modulator of receptor for treating asthma and glomerulonephritis, comprises AGP-3 (tumor necrosis factor ligand family member) receptor and encoding nucleic acids.
                                                                                                                                                                                                                                                                                        WPI; 2002-049441/06.
                                                                                                                                                                                                                                                                                                                                              Boyle WJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-FEB-2000; 2000US-0181800P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       treating B cell malignancies and autoimmune disorders
                                                                                                                                                                                                                                                                                                                                                                                                             (AMGE-) AMGEN INC
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| : :|:| | : |: |: | : | : |
| CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
                                                                                                                                                                                                                                                                                                                                                 Hsu H;
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                                                                                          18; 124pp;
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                                                                                          English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        English.
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Pred. No. 3.
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The invention relates to a composition (I) comprising AGP-3 receptor (tumour necrosis factor ligand family member) related protein (II)

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ADZ67771
ID ADZ6
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AC ADZ6
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DT 14----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumor necrosis cytostatic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  related to AGP-3R-related protein and for identifying compounds (agonists or antagonists) that interact with AGP-3R proteins. (II) is also useful for identifying intracellular proteins that interact with the respective cytoplasmic domains by yeast two-hybrid screening process. (II) is involved in B cell growth, survival and activation particularly in lymph node, spleen, and Peyer's patches. AGP-3R agonists and antagonists identified using (II) are used for modulating B cell response and are
                                   WPI; 2005-315682/32
                                                                                                                                                                                                                                                            16-OCT-2003; 2003US-0511698P
18-OCT-2004; 2004US-0619552P
                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-APR-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Domain
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human tumor necrosis factor receptor TACI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADZ67771;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADZ67771 standard; protein; 292
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                                                                                                                                                                                                                                                                                                                                                                       18-OCT-2004; 2004WO-US034375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2005037865-A2
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                                                                                                                                                                                         (OMYZ)
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                                                                                                                                                                                         ZYMOGENETICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                          Holloway JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           291
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 factor receptor; TACI; cancer; neoplasm; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
22. .43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    'note= "Cys-rich domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         33.1%;
                                                                                                                                                                                             INC
                                                                                                          Sheppard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Score 66.5; DB; Pred. No. 3.7; 8; Mismatches
                                                                                                                  g
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                                                                                                                  Dillon
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                                                                                                                  SR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14;
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RESULT 81
AAW75783
ID AAW75783
XX AAW75
XX AAW75
XX DT 18-JJ
XX TACI
KW TACI
KW Calcc
KW Inmun
KW thera
XX Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention provides novel tumor necrosis factor receptor (TNFR) ztnfr14 polynucleotides ADZ67753 and polypeptides ADZ67754, expression vectors and antibodies. Ztnfr14 polynucleotides are used in claimed methods for detecting a genetic abnormality in a patient and for detecting a cancer in a patient. Recombinant ztnfr14 polypeptide, optionally conjugated to a toxin, is used in a claimed method of killing cancer cells. Ztnfr14 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides, polynucleotides and methodies may also be used in methods that modulate tumor growth, metastasis, and immunity such as separating resting from stimulated immune cells. The present sequence is that of human TNFR TACI. This sequence was compared with that of ztnfr14 in the identification of ztnfr14 as a member of the TNFR family.
Bram RJ,
                                                                                                                                                                            03-MAR-1998;
                                                                                                                                                                                                                                                                                              WO9839361-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                 Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         calcium signal-modulating cyclophilin ligand; human;
lymphocyte surface receptor; human; B-cell; B lymphocyte; infection;
cancer; rheumatoid arthritis; autoimmune disease; glomerulonephritis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human lymphocyte surface receptor TACI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 292 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 19; 132pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New tumor necrosis factor receptor (TNFR) polypeptides, useful as detecting ligands, and for modulating tumor growth, metastasis and immunity, such as separating resting from stimulated immune cells.
                                                                                                                  03-MAR-1997;
                                                                                                                                                                                                                                       11-SEP-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Domain
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-JAN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW75783 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TACI; transmembrane activator and CAML-interactor;
                                                          (SJUD-) ST JUDE CHILDREN'S RES HOSPITAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mmunosuppressive; graft versus host disease; transplant rejection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
Von Bulow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                  97US-00810572.
                                                                                                                                                                            98WO-US004270
                                                                                                                                                                                                                                                                                                                                                                                     187. .294
/label= C
                                                                                                                                                                                                                                                                                                                                                                                                                                         label= Transmembrane_domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /label= Extracellular_domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       note=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .186
                                                                                                                                                                                                                                                                                                                                                         "Cytoplasmic_domain
"Claim 6"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "TNFR_NGFR motif"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 66.5; DB Pred. No. 3.7; 8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB
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RESULT 82
AAB36312
ID AAB36
XX AAB36
XX AAB36
XX 26-FE
XX Human
XX Human
XX immun
XX immun
XX immun
XX immun
XX Homo
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XX Homo
XX Hom
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CC and CAML-interactor (TACI) protein, a lymphocyte receptor protein that is convolved in the calcium activation pathway. TACI is normally present in B CC -lymphocytes, and to a much lesser extent in immature T-lymphocytes, and coa much lesser extent in immature T-lymphocytes, and coa much lesser extent in immature T-lymphocytes, and coa without affecting T cell activity. TACI cDNA (seev57328) was isolated CC without affecting T cell activity. TACI cDNA (seev57328) was isolated CC from a B-lymphocyte cDNA library using a yeast two-hybrid assay. Also CC claimed are the C-terminal (see AAW75784) and N-terminal (see AAW75785) CC fragments of TACI, recombinant DNA constructs, unicellular hosts, and CC antibodies to TACI protein. Methods are claimed for identifying a ligand CC for TACI and for identifying immunosuppressive drugs that selectively CC block the action of B lymphocytes without affecting mature T lymphocytes. CC TACI can be activated to increase immune system activity, e.g. for creating infections or cancers. It can be blocked to provide immunosuppression, e.g. for treating autoimmune and inflammatory CC conditions such as immune complex- induced vasculitis, collagen-induced archiritis, seperimental allegic and hyperacute CC collagen-induced archiritis, experimental allegic and hyperacute CC conditions contains the complex of the collagen-induced archiritis, systemic lupus erythematosus, CC transplant rejection, cancer or graft versus host disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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N-PSDB;
                                                                                                                                                                                                                                                                                                                                                            05-OCT-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; neutrokine-alpha binding protein; NAR protein; TR17; cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer; cardiant; ophthalmological; gene therapy; immunodeficiency disorder; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human neutrokine-alpha binding protein TR17 SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 293
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 20; Fig 2a; 89pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New isolated transmembrane activator protein - used to develop products for treating e.g. infections, cancers, autoimmune and inflammatory conditions, transplant rejection or graft-versus-host disease.
                                                                                                       (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                          26-MAR-1999;
10-MAR-2000;
                                                                                                                                                                                                                                                                                  24-MAR-2000; 2000WO-US007966
                                                                                                                                                                                                                                                                                                                                                                                                                               WO200058362-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        autoimmune disorder
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DB; AAV57328.
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                                                                                                                                                                              2000US-0188208P
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Pred. No. 3.7;
8; Mismatches
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Ruben SM,

Ullrich

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Baker K;

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AAY990 ID AAY99
XX AAY99
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XX COO
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XW 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; BR43x2; TACI receptor; extracellular domain; BCMA; B cell protein; transmembrane activator and CAMI-interractor; tumour necrosis factor; TNF; ztnf4 activity; antibody production; autoimmune disease; amyloidosis; systemic lupus erythematosus; myasthenia gravis; multiple sclerosis; rheumatoid arthritis; asthma; bronchitis; emphysema; pyelonephritis; end stage renal failure; glomerulonephritis; vasculitis; nephritis; renal neoplasm; multiple myeloma; lymphoma; light chain neuropathy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    activities and can be used in gene therapy. The TR17 protein and antibodies are useful for treating and diagnosing immunodeficiency disorders and autoimmune disorders. The TR17 polypeptides,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nucleic acid encoding a neutrokine-alpha receptor (NAR) such as TR17, useful for producing TR17 protein which is used in the treatment and diagnosis of autoimmune and immunodeficiency disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             graft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A transmembrane activator and CAML-interactor (TACI).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-OCT-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 293 AA;
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Inhibiting ztnf4 activity in a mammal, to treat autoimmune diseases, renal disease, graft versus host disease, and inflammation, comprise
                                                                                                N-PSDB;
                                                                                                                                                                                              Gross JA,
                                                                                                                                                                                                                                                                                                                                                                                  07-JAN-2000; 2000WO-US000396
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-602359/57.
N-PSDB; AAC64602.
                                                                                                                                                                                                                                                          (ZYMO ) ZYMOGENETICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             immune response; immunosuppression; graft rejection; joint pain;
graft versus host disease; inflammation; swelling; anaemia; septic shock;
insulin dependent diabetes mellitus; Crohn's disease; hypertension;
renal artery stenosis; occlusion; cholesterol; renal emboli.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                              2000-452538/39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC
                                                                                                                                                                                              Xu W, Madden
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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Pred. No. 3
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RESULT 84
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                               Human; TNF; tumour necrosis factor; TALL-1; APRIL; TNF receptor; TNFR; TACI; BCMA; therapy; cancer; leukaemia; myeloma; lymphoma; autoimmune disease; rheumatoid arthritis; multiple sclerosis; psoriasis
Inhibiting or neutralizing TALL-1 or APRIL polypeptide biological activity, for treating autoimmune disorders and cancer, comprises exposing the cells to TALL-1 or APRIL polypeptide agonists or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present sequence represents a human transmembrane activator and CAML-interactor (TACI) receptor. TACI is a tumour necrosis factor (TNF) receptor. The extracellular domains of BR43x2 (an isoform of TACI), TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page
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                                                              N-PSDB;
                                                                                                                                                                                          16-FEB-2000;
22-AUG-2000;
                                                                                                                                                                                                                                      28-NOV-2000; 2000WO-US032378
                                                                                                                                                                                                                                                                      23-AUG-2001
                                                                                                                                                                                                                                                                                                     WO200160397-A1
                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                             Human TACI protein.
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Pred. No. 3.7;
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                         Use of new interactions between tumor necrosis factor receptors (TACI) and TACI ligands to screen candidate molecules for determining agonist and antagonist interactions which are used for treating inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; transmembrane activator and CAML interactor; TACI; tumour necrosis factor receptor; TNF; autoimmune disease; diabetes; calcium-signal modulating cyclophilin ligand; CAML; viral infection; neutrokine alpha polypeptide; TACI-Ligand; TACI-L; cytostatic; therapy; neuroprotective; antidiabetic; antiviral; antiinflammatory; tumour; antiarthritic; antirheumatic; immunosuppressive; multiple sclerosis; rheumatoid arthritis; graft rejection; inflammation; cell proliferation; cell death immunosuppressive;
                                                                                                                                                  N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                  30-APR-1999;
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                                                                                                                                                                                                                                               Goodwin
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                                                                                                                                                                                                                                                                                                     ( VMMI)
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A
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/label= Extracellular_domain
/note= "Binds with amino acids 123-285 of extracellular
domain of TACI-L"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cyclophilin ligand (CAML)-interactor) forms a complex with neutrokine alpha polypeptide (TACI-Ligand). The antagonist or agonist of TACI/TACI-L complex is useful for modulating an intracellular signalling cascade mediated by TACI/TACI-L complex. Antagonists of TACI/TACI-L complex are used to inhibit the interaction between TACI and TACI-L for therapeutic purposes to treat tumour and tumour metastasis and to combat various autoimmune diseases e.g. multiple sclerosis and diabetes, as well as other disorders, such as viral infection, rheumatoid arthritis, graft rejection, and immunoglobulin (19) E-mediated allergic reactions and inflammation. The interaction is used to study cellular processes regulation, cell proliferation, cell death and inflammatory responses. The interaction between the extracellular region of TACI and TACI-L can be used to further develop understanding of which cell types TACI-L can
                                                                                                                                                                                                                                                                                                                                                                                                        Human transmembrane activator CAML interactor protein; TACI; cytostatic; cell proliferation; tumour; vulnerary; renal cell cancer; mastocytoma; Kaposi's sarcoma; breast; ovarian carcinoma; rectal; throat; melanoma; colon; bladder; mammary adenocarcinoma; gastrointestinal; hyperplasia; pharyngeal squamous cell; stomach; cellular hyperproliferation; pannus; scleroderma; rheumatoid arthritis; scarring; liver; lung fibrosis;
Treating mammal for condition associated with undesired proliferation e.g., solid tumor or reducing solid tumor
                                                                                                                          (BIOJ )
(APOT-)
                                                                                                                                                                                                                                                                                                                                Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 293
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                                                 N-PSDB;
                                                                                             Ambrose
                                                                                                                                                                      27-APR-2000; 2000US-0199946P
                                                                                                                                                                                                     27-APR-2001; 2001WO-US040626.
                                                                                                                                                                                                                                      01-NOV-2001
                                                                                                                                                                                                                                                                    WO200181417-A2
                                                                                                                                                                                                                                                                                                                 Domain
                                                                                                                                                                                                                                                                                                                                                               Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human transmembrane activator CAML interactor protein (TACI).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAO14130 standard; protein; 293
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                                                 2002-062027/08.
)B; AAK98726.
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APOTECH R & D SA.
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                                                                                             Thompson J,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence is a human tumour necrosis factor receptor (TACI)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                      1. .114
/label= Extracellular_domain
                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
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32.4%;
                                                                                             Schneider
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Pred. No. 3
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                                                                                             Rennert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 4;
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   cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        293;
    located
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This sequence represents the human transmembrane activator CAML interactor protein (TACI). The invention relates to treating a mammal for a condition associated with undesired cell proliferation (e.g. a solid tumour, or reducing the size of a solid tumour located on or in a mammal comprising administering a transmembrane activator CAML interactor protein (TACI) reagent. The TACI reagent has cytostatic and vulnerary activity. Treating a mammal (e.g. human, cow, horse, dog, mouse, rat or cat) for a condition associated with undesired cell proliferation (e.g. cancer such as renal cell cancer, Kaposi's sarcoma, breast cancer, cancer, bladder cancer, mastrocytoma, lung cancer, mammary adenocarcinoma, pharyngeal squamous cell carcinoma, gastrointestinal cancer or stomach cancer). The method is also useful for treating cellular
                                                                                                                                                                                                                                                                                                                        neuroprotective; antirheumatic; antiarthritic; antiasthmatic; nephrotropic; hypotensive; gene therapy; B lymphocyte; tumour; autoimmune disorder; systemic lupus erythematosus; myasthenia gravis; multiple sclerosis; insulin dependent diabetes mellitus; asthma; rheumatoid arthritis; bronchitis; emphysema; renal disease; lymphoma; glomerulonephritis; vasculitis; chronic lymphoid leukaemia; nephritis; pyelonephritis; renal neoplasm; multiple myeloma; amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hyperproliferation (hyperplasia) such as scleroderma, pannus formation rheumatoid arthritis, post-surgical scarring and lung, liver and uterin fibrosis. The TACI reagent of the invention can extend mean survival ti of a mammal by 25% as compared to the mean survival time of a mammal in the absence of administering the TACI reagent. The TACI reagent also reduces the size of the tumour by 25% or more
                                                   07-NOV-2000; 2000US-0246449P.
20-DBC-2000; 2000US-0257131P.
28-JUN-2001; 2001US-0301715P.
29-AUG-2001; 2001US-0315565P.
                                                                                                                                           05-NOV-2001; 2001WO-US047018
                                                                                                                                                                                                                                                                                       graft-versus host disease; graft rejection; Crohn's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human TACI receptor related protein SEQ ID NO:8.
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                                                                                                                                                                                16-MAY-2002
                                                                                                                                                                                                                  WO200238766-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                          immunosuppressive; dermatological; antiinflammatory; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; Ztnfr12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABB81488 standard;
                   ( OMYZ)
                                                                                                                                                                                                                                                                                                      ight chain neuropathy; hypertension; large vessel disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local
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                   ZYMOGENETICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tumour necrosis factor receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein;
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                   INC
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Pred. No. 3.7;
8; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic;
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cardiovascular disorder; neurodegenerative disease; wound healing; graft versus host disease; haematopoietic cell disorder; nephritis; transmembrane activator and CAML-interactor; TACI; TNF epsilon; IgC

immunoglobulin

<u>ن</u>

E)

portion.

14-MAR-1996; 12-MAR-1997;

96US-0016812P. 97US-00815783.

30-MAY-2002 US2002064829-A1

14-JUN-2001;

2001US-00879919

Human; tumour necrosis factor; TNF delta; pulmonary system disorder; immunoglobulin production; B-cell proliferation; immune system disorder; autoimmune disease; cancer; lymphoproliferative disorder; pain; microbial infection; parasitic infection; bone disease; atherosclerosis;

Human TACI-IgG Fc fusion protein.

07-OCT-2002

(first entry)

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RESULT 88
AAU99512
ID AAU99
XX
AC AAU99
XX
AC AAU99
XX
Humar
XX
Humar
XX
Humar
XX
Himur
KW immur
KW autooi
KW autooi
KW erardi
KW graft
KW JAMAN
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Best Local
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                                                                                                                                                                                                                             AAU99512 standard; protein;
                                                                                                                                                                                                                                                                                                                                             Sequence 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               dermatological, antiinflammatory, neuroprotective, antidiabetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 136-137; 154pp; English.
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                                                                                                                                                                                                                                                                                                                                                             exemplification of the present invention
                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                         CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFC 66
                                                                                                                                                                                                                                                                                         CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ztnfr12 (I)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         invention describes a human tumour necrosis factor triff[1]. (I) has cytostatic, immunosuppressive,
                                                                                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                                                  33.1%;
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                                                                                                                                                                                                                                                                                                         ; Score 66.5; DB; Pred. No. 3.7; 8; Mismatches
                                                                                                                                                                                                                              293 AA
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ARESULT 89
AAE28962
ID AAE28
XX AAE28
XX AAE28
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XX Humar
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XX Humar
XX Hono-i
KW neop:
KW neop:
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Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             osteoporosis), atheroscierosis, pain, cardiovascular disorders (e.g. myocardial infarction, stroke), neurodegenerative disease (e.g. Alzheimer's disease, Parkinson's disease), graft versus host disease, wound healing, haemacopoietic cell disorders (e.g. anaemia), inflammatory disorders (e.g. asthma), diseases or disorders associated with various mucous membranes of the body (e.g. mucositis), and disorders of the pulmonary system. The proteins are also useful as a vaccine adjuvant that enhances immune responsiveness to specific antigens. The present sequence for human transmembrane activator and CAML interactor (TACI) immunoglobulin G (IgG) Fc fusion protein is used in the examples of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to the isolation of human tumour necrosis factor (TNF) delta and TNF epsilon proteins, and the polynucleotide sequences encoding them. The proteins are useful for modulating immunoglobulin production or for modulating proliferation of B-cells. The sequences of the invention are useful for treating diseases or disorders of the immune system. Such disorders include autoimmune diseases (e.g. systemic lugus erythematosus (SLE), acquired immunodeficiency syndrome (AIDS), cancers of the immune system (e.g. chronic lymphocytic leukaemia (CLL), multiple myeloma, non-Hodgkin's lymphoma or Hodgkin's disease), lymphoproliferative disorders, microbial infections (e.g. viral, bacterial), parasitic infections, nephritis, bone disease (e.g. osteoporosis), atherosclerosis, pain, cardiovascular disorders (e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-MAR-2001;
23-MAR-2001;
25-MAY-2001;
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23-OCT-2000;
13-DEC-2000;
                                                                                                             Human; tumour; B-cell maturation antigen; transmembrane activator; calcium-modulator; cyclophilin ligand-interactor; TACI; gene therapy; neoplasm; chronic lymphocytic leukaemia; lymphoproliferative disease; non-Hodgkin's lymphoma; light chain gammopathy; inflammation; asthma;
                                                                                                                                                                                                            Human TACI protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human multimeric tumor necrosis factor delta or epsilon protein useful for treating disease or disorder of immune system such as autoimmune disease, immunodeficiency, or cancer of immune system.
                                                                                                                                                                                                                                                       27-JAN-2003
                                                                                                                                                                                                                                                                                                                             AAE28962 standard; protein;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         present invention
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  Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (HUMA-) HUMAN GENOME SCI
                                                          sapiens
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                                                                                             multiple
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; 2000US-0241952P.
; 2000US-0254875P.
; 2001US-0276248P.
; 2001US-0277978P.
; 2001US-0293499P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      33.1%;
ilarity 32.4%;
Conservative
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                                                                                                           lymphoma;
Location/Qualifiers 30. .154
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 66.5; DE Pred. No. 3.7; B; Mismatches
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XX AAU75
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Best Local
human immunodeficiency virus; autoimmune disease; immunodeficiency; Syogren's syndrome; systemic lupus erythematosus; Hodgkin's disease; common variable immunodeficiency; CVID; non-Hodgkin's lymphoma; AIDS; acquired immunodeficiency virus; cancer; multiple myeloma; CLL; chronic lymphocytic leukaemia; lymphoproliferative disorder; bacterial infection; viral infection; osteoporosis; atherosclerosis; pain; cardiovascular disorder; stroke; allergy; Alzheimer's disease; neurodegenerative disease; inflammation; liver disease; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   transmembrane activator and calcium-modulator and cyclophilin ligand-interactor (TACI). BCMA and TACI binding antibody compositions are useful for inhibiting proliferation of tumour cells, particularly inhibiting ZTNF4 activity in a mammal associated with increased endogenous antibody production or a disorder consisting of neoplasm, chronic lymphocytic leukaemia, multiple myeloma, non-Hodgkin's lymphoma, post-transplantation lymphoproliferative disease or light chain gammopathy or inflammation e.g. asthma. The invention is also useful in gene therapy. The present is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   B-cell maturation antigen and transmembrane activator and calcium-modulator and cyclophilin ligand-interactor, useful for treating disorders e.g. inflammation or lymphoma.
                                                                                                                                                                                                                                          Tumour necrosis factor; TNF; cytostatic; arteriosclerosis; analgesic; cerebroprotective; nootropic; neuroprotective; hepatotropic; immunoglobulin production; B cell proliferation; immunosuppressive; HIV;
                                                                                                                                                                                                                                                                                                                                                                                                                            09-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAU75408;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to the manufacture of a composition for inhibiting the proliferation of tumour cells. The method involves using an antibody component that binds both the B-cell maturation antigen (BCMA) and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 9; Page 66; 67pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N-PSDB;
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12-APR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-FEB-2002; 2002WO-US003500
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAU75408 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .g. asthma. The in
uman TACI protein
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                                                                                                                                                                                                                                                                                                                                                                       necrosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ΑA;
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2001US-0283447P
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                                                                                                                                                                                                                                                                                                                                                                       factor (TNF)
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34. .66
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   33.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Extracellular domain;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   293
                                                                                                                                                                                                                                                                                                                                                                    receptor TACI-Fc fusion.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 66.5;
Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 293;
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CC cancer of the immune system (e.g. Hodgkin's disease, non-Hodgkin's in CC lymphoma, multiple myeloma and chronic lymphocytic leukaemia (CLL); in CC the diagnosis and treatment or prevention of cancer, lymphoproliferative CC disorder, bacterial and viral infections, osteoporosis, atherosclerosis, CC pain, cardiovascular disorders (e.g. stroke), allergy, inflammation, CC neurodegenerative disease (e.g. Alzheimer's disease), liver disease (e.g. CC cirrhosis), cardiomyopathy, diabetes, asthma, psoriasis, septic shock, CC glomerulonephritis, ulcerative colitis, arteriosclerosis; for promoting CC angiogenesis and wound healing; as a diagnostic research reagent; as an agent to target and kill cells expressing a TNFdelta and/or TNFepsilon CC receptor; in apoptosis of transformed cell lines; mediation of cell activation and proliferation, and as an immunogen to produce (II). (II) CC is useful to purify, detect and target (I), for measuring levels of (I) cinhibit or prevent diseases and disorders associated with aberrant CC expression and/or activity of (I). This is the amino acid sequence of a fusion procein of tumour necrosis factor receptor TACI and immunoglobulin (CC incertion) and as an immunogen to produce (II) and considered considered with aberrant CC consession and/or activity of (I). This is the amino acid sequence of a fusion procein of tumour necrosis factor receptor TACI and immunoglobulin (CC incertion) and immunoglobulin described in the method of the
                                                                        Matches
                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immune system, preferably an autoimmune disease (e.g. Sjogren's syndrome, systemic lupus erythematosus or common variable immunodeficiency (CVID)); an immunodeficiency e.g. acquired immunodeficiency syndrome (AIDS);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention describes a multimeric human tumour necrosis factor (TNF) delta or epsilon protein (I) (I) or a composition containing them (II) are useful for modulating immunoglobulin production or proliferation of generation of the cells. (I) or (II) is useful: for treating a disease or disorder of the
                                                                                                                                                                                                                  Sequence 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel multimeric human tumor necrosis factor delta or epsilon protein useful for treating cancer, immune system disorders, infection, cardiovascular disorders, liver disease, cardiomyopathy, diabetes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cardiomyopathy; diabetes; asthma; psoriasis; glomerulonephritis; ulcerative colitis; angiogenesis; septic shock; wound healing; tumour necrosis factor receptor; TACI; immunoglobulin; IgG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 29; Page 341-342; 344pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Yu G,
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16-MAR-2001;
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                                                                                                          Local Similarity
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CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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; 2000US-0254875P.
; 2001US-0276248P.
; 2001US-0277978P.
; 2001US-0293499P.
                                                                        Conservative
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                                                                                                       33.1%;
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Pred.
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No. 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU09900;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Boyle WJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-FEB-2000; 2000US-0181800P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; AGP-3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human AGP-3 related protein receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12-MAR-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiinflammatory; antiarthritic; immunosuppressive; i, neuroprotective; nootropic; immunomodulator; metabolic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     293
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Composition, useful for identifying modulator of receptor for treating asthma and glomerulonephritis, comprises AGP-3 (tumor necrosis factor ligand family member) receptor and encoding nucleic acids.

Disclosure; Page 117-119; 124pp; English.

CC related to AGD-TR-related protein and for identifying compounds (agonists)

CC or antagonists) that interact with AGD-TR proteins. (II) is also useful

CC for identifying intracellular proteins that interact with the respective

CC cytoplasmic domains by yeast two-hybrid screening process. (II) is

CC involved in B cell growth, survival and activation particularly in lymph

CC incert diseases (II) are used for modulating B cell response and are

CC used to treat diseases characterised by inflammatory processes or

CC deregulated immune response such as rheumatoid arthritis, graft-versus
CC not disease, Crohn's disease, lupus, etc. (II) is also useful in the

CC production of hybridoma cells which are derived from B cells, which

CC involves treating the hybridoma cells with (II). (II) is useful in the

CC cuseful for treating acute pancreatitis, anyotrophic lateral sclerosis

CC (ALS), Alzheimer's disease, asthma, atherosclerosis, cachexia/anorexia,

CC ischaemic injury including cerebral ischaemia, multiple myeloma, multiple

CC septic shock, etc. The nucleic acids are also useful for developing

CC transgenic animals expressing (II), which are useful for developing

CC related more in represents the amino acid sequence of human AGP-3 (tumour necrosis factor ligand family member) related protein (II) attached to a vehicle protein. (I) is useful for modulating AGP-3-relate activity in mesenteric lymph nodes (MLN) of a mammal. (II) is useful in assays to identify cells and tissues that express AGP-3R or proteins The invention relates to a composition (I) comprising AGP-3 receptor (tumour necrosis factor ligand family member) related protein (II) AGP-3-related

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-MAY-2000;
27-JUN-2000;
14-MAY-2001;
               protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TNF family ligand), having the consensus region of TACI, BCMA, or the TACI/BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell lymphoproliferative disorders, one or more solid tumours such as lung, the protection of the content of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                   The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation
                                                                                                                                                                                                                                                                                                                                   Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Theill LE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human transmembrane activator and intracellular CAML interactor protein.
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167. .18
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or prostate
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     rheumatic heart disease; polyendocrinopathy; diabetes mellitus; neuritis; autoimmune pulmonary inflammation; multiple sclerosis; asthma; hepatitis; cirrhosis; Sjogren's syndrome; rheumatoid arthritis; restenosis; AIDS; autoimmune thyroiditis; reticular dysgenesis; ataxia-telangiectasia; autoimmune thyroiditis; reticular dysgenesis; ataxia-telangiectasia; systemic lupus erythematosus; B cell lymphoproliferative disorder; skappa chain deficiency; short limbed dwarfism; Crohn's disease; sepsis;
The invention relates to a tumour necrosis factor (TNF) recept, polypeptide, TR17, and the polymucleotide encoding it. The polyand polynucleotide are used for treating an immunodeficiency on autoimmune condition. The disorders include haemolytic anaemia dermatitis, myocarditis, glomerulonephritis, allergic encephalo
                                                                                                                                                                                       Claim 1; Fig
                                                                                                                                                                                                                                                                              Tumor necrosis factor receptor polypeptide, useful e.g. for immunodeficiency, comprises a specific amino acid sequence,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-MAR-2000; 2000US-0188208P.
24-MAR-2000; 2000US-00533822.
26-SEP-2000; 2000US-0253591P.
13-DEC-2000; 2000US-0254874P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; tumour necrosis factor receptor; TNF; TR17; receptor; cancer; immunodeficiency; autoimmune condition; haemolytic anaemia; dermatitis; myocarditis; glomerulonephritis; allergic encephalomyelitis; vitiligo;
                                                                                                                                                                                                                                                    optionally a heterologous
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Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Transmembrane activator; calcium modulator; nephrotropic; antibacterial; TACI; tumour necrosis factor-like protein; ZTNP2; ZTNP4; immunoglobulin; anaemia; gene therapy; cytostatic; antiinflammatory; immunosuppressive; glomerulonephritis; asthma; bronchitis; graft rejection; septic shock; dermatological; neuroprotective; cyclophilin ligand-interactor; human; autoimmune disease; systemic lupus crythematosus; multiple sclerosis; diabetes mellitus; rheumatoid arthritis; renal disease; inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rheumatic heart disease, polyendocrinopathies, autoimmune pulmonary inflammation, multiple sclerosis, diabetes mellitus, asthma, viiligo, hepatitis, cirrbosis, Sjogren's syndrome, rheumatoid arthritis, autoimmune thyroiditis, reticular dysgenesis, ataxia-telangiectasia, systemic lupus erythematosus, B cell lymphoproliferative disorder, kappa chain deficiency, neuritis, restenosis and short limbed dwarfism, cancer, Crohn's disease, bronchitis, otitis media, sepsis, meningitis, ulcerative colitis and AIDS. The polypeptide is also useful for increasing or inhibiting B-cell proliferation and immunoglobulin production and for killing a cell that expresses the TR17 polypeptide on its cell surface.
Transmembrane activator and calcium modulator and cyclophilin ligand-
interactor (TACI)-immunoglobulin fusion protein, for treating cancer
diabetes, comprises a TACI receptor group and an immunoglobulin group
                                                                                                          N-PSDB;
                                                                                                                                                                                 Rixon MW,
                                                                                                                                                                                                                                                                                         24-MAY-2001; 2001US-0293343P
                                                                                                                                                                                                                                                                                                                                          20-MAY-2002; 2002WO-US015910
                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200294852-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human TACI protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE35211 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 293
                                                                                                                                                                                                                                     (ZYMO ) ZYMOGENETICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                   2003-148455/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence represents the human TR17 polypeptide
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                                                                                                          AAD53734.
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                                                                                                                                                                                 Gross JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ä,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein; 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  33.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Stalk region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Cysteine rich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
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Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        pseudo repeat"
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3.7;
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  group
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The invention relates to fusion proteins comprising transmembrane

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87-88;

71pp; English.

antiallergic, antiasthmatic, neuroprotective, tuberculostatic, antidiabetic, antipsoriatic,

vasotropic,

for treating, preventing

and haemostatic activity

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anti-HIV

ophthalmological,

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RESULT 95
ABP60551
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Best Local
                                                           The invention relates to a novel antibody or its fragment, which immunospecifically binds tumour necrosis factor Delta (TWF-delta/APRIL). The antibody of the invention has dermatological, immunosuppressive, antianaemic, antianaemic,
                                                                                                                                                                                                   Novel isolated antibody that immunospecifically binds tumor necrosis factor delta, useful for treating, preventing or ameliorating Non-Hodgkin's lymphoma, multiple myeloma, rheumatoid arthritis or Sjogren's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              activator and calcium modulator and cyclophilin ligand-interactor (TACI) receptor group that binds tumour necrosis factor-like protein (ZTNF)2 or ZTNF4; and an immunoglobulin group comprising a constant region of an immunoglobulin. The invention is used to manufacture a medicament for inhibiting the proliferation of tumour cells in a mammalian subject. The composition comprising the fusion protein may also be used in treating autoimmune diseases (e.g. systemic lupus erythematosus, multiple solerosis, diabetes mellitus, rheumatoid arthritis and asthma), renal diseases (e.g. glomerulonephritis) bronchitis, inflammation, graft rejection, anaemia and septic shock. The fusion proteins are also used in
                                                                                                                                                Disclosure; Page 220-221; 225pp;
                                                                                                                                                                                                                                                                                                          Ruben
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dermatological; immunosuppressive; antiinflammatory; antirheumatic; antiarthritic; cytostatic; antianaemic; antiallergic; antiasthmatic; neuroprotective; ophthalmological; tuberculostatic; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 293
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                                                                                                                                                                                                                                                                                                                                                                              24-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200294192-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antibody; human; TACI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APRIL; scFv; immunospecific; tumour necrosis factor delta; TNF-delta;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human tumour necrosis factor TACI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABP60551;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antipsoriatic; anti-HIV; antiarteriosclerotic; vasotropic; thyromimetic;
haemostatic; cancer; autoimmune disease; graft versus host disease; GVHI
inflammatory disorder; proliferative disorder; single chain antibody;
                                                                                                                                                                                                                                                                                                                                             (HUMA-) HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    naemostatic; cancer; autoimmune disease; graft inflammatory disorder; proliferative disorder; antibody; human; TACI; tumour necrosis factor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 therapy. The present sequence is human TACI protein
                                                                                                                                                                                                                                                                                                          SM;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Score 66.5; D:
; Pred. No. 3.7;
8; Mismatches
                                                                                                                                                  English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . 7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14;
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ARBSULT 96
ABP977
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                                                                                             The present sequence represents a human TACI polypeptide. The specification also describes BR3 polypeptides. TACI and BR3 are receptors. Tumour necrosis factor (TNF) family ligands TALL-1 and April bind to the TACI receptor, while TNF family ligands TALL-1 also binds to BR3 receptor. The TACI and BR3 receptor nucleic acid is useful for
Sequence 293
                                                                                                                                                                                                                                                                                                                                                                          New nucleic acid encoding a TACIs or preparing a composition for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Dixit V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABP97716 standard; protein; 293 AA
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                                                                BR3 receptor.
preparing a c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-AUG-2001;
30-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-JUL-2002; 2002WO-US023487.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-MAY-2003
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DB; ABZ68870.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     April; systemic
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                                                                       a composition
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2002US-0377171P
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                                                                                                                                                                                                                                                                                                                1A-B;
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32.4%;
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Pred. No. 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Yan
                                                                                                                                                                                                                                                                                                                                                                                 BR3 polypeptide, useful for systemic lupus erythematosus.
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The invention relates to agonist or antagonist of DITACIN useful in the treatment of metabolic disorders. The antagonist or agonist of DITACIN or the composition comprising the agonist or antagonist, is useful for treating or preventing obsestly-related diseases, e.g. hyperlipidaemia, atherosclerosis, insulin resistance, diabetes, stroke or hypertension. The agonist is useful for reducing body mass and maintaining weight loss by: lowering circulating levels or concentrations of free fatty acids, completely loss and/or triglycerides; stimulating muscle lipid or free fatty acid oxidation; increasing leptin uptake in a liver cell; reducing the postprandial increase in plasma feature fatty acids or triglycerides, comparticularly following a high fat meal; reducing or eliminating ketone body production, particularly following a high fat meal; increasing glucose uptake in skeletal muscle cells, adipose cells, neuronal cells, ced blood cells or brain; reducing or preventing the postprandial increase in plasma glucose following a high carbohydrate meal; or improving insulin sensitivity. The antagonist of DITACIN activity is
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Best Local S
Matches 11
                                                                                                                                                                                                                                                                      Disclosure;
                                                                                                                                                                                                                                                                                                                 New agonist and antagonist of DITACIN activity, useful for preventing or treating obesity-related diseases (e.g. hyperlipidemia or stroke), or increasing body mass (e.g. by treating excessive weight loss, cachexia),
                                                                                                                                                                                                                                                                                                                                                                                                  WPI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human DITACIN protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                              Briggs K,
                                                                                                                                                                                                                                                                      Page 33-34; 37pp;
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8; Mismatches
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13-DEC-2000;
16-MAR-2001;
23-MAR-2001;
25-MAY-2001;
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12-MAR-1997;
15-JUN-2000;
                                                                                                                                                                                                (YUGG/)
(NIJJ/)
(GENT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cerebral malaria; HIV; bone resorption; rheumatoid arthritis; cachexia; Grave's disease; diabetes; hepatitis; asthma; cardiovascular disorder; infection; allergy; Alzheimer's disease; Parkinson's disease; nephritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          useful for increasing body mass, or for treating or preventing disors associated with excessive weight loss, c. cachexia, cancer-related weight loss, AIDS-related weight loss, chronic inflammatory disease-related weight loss, or anorexia. The present sequence is human DITAC
                                                                                               New human tumor necrosis factor (TNF) delta and epsilon, useful for diagnosing, preventing or treating dysfunctions or diseases associal with aberrant activity of TNF delta or epsilon, e.g. septic shock,
                                                                                                                                            WPI; 2003-898107/82.
N-PSDB; ADF72627.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; tumour necrosis factor; TNF; septic shock; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADF72628
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human tumour necrosis factor (TNF)-related polypeptide
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NI J.
GENTZ
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2000US-0241952P
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2001US-0276248P
2001US-02776248P
2001US-0277978P
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2001US-03293499P
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Pred. No. 3.
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The invention relates to human tumour necrosis factor (TNF) polypeptides and the polynucleotides encoding them. The sequences of the invention are useful in research, biological, clinical and therapeutic purposes. In particular, these are used in diagnosing, preventing, treating or ameliorating dysfunctions or diseases associated with aberrant endogenous

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                           The invention relates to an isolated nucleic acid molecule consisting of a sequence that is at least 90% identical to a sequence encoding Human tumour necrosis factor receptor (TR20) polypeptide (appearing as ADF77377) or its fragments, complement, and optionally a heterologous nucleic acid sequence that is preferentially expressed in mature B cells. Also included are a method of making a recombinant vector by inserting the mucleic acid molecule into a vector, a recombinant vector produced by the method, a method of making a recombinant host cell by introducing the recombinant vector into a cell, a recombinant host cell produced by the method and a recombinant method of producing a polypeptide by culturing the recombinant host cell under conditions where the polypeptide is expressed and recovering the polypeptide. The nucleic acid molecules are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   graft rejection;
disease; acute graft rejection;
chronic graft rejection; AIDS; neurodegenerative disorder;
myelodysplastic syndromes; ischaemic injury; toxin-induced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; tumour necrosis factor receptor; TR20; receptor; gene therapy; B cell; cell survival; upregulated cell proliferation; apoptosis; cancer; autoimmune disease; viral infection; inflammation;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New TR20 nucleic acid molecules, useful for treating diseases associated with increased cell survival, upregulated cell proliferation, or inhibition of apoptosis, e.g. cancer, autoimmune diseases, viral infections, inflammation.
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                                                                                                                                                                                                  The present invention relates to novel DNA and protein sequences which are associated with carcinomas. The sequences are useful for: (i) for screening of bioactive agent capable of binding to Carcinoma Associated Protein (CAP); (ii) for screening of a bioactive agent capable of modulating the activity of CAP; (iv) for evaluating the effect of a candidate carcinoma drug; (v) for diagnosing carcinoma; (vi) for inhibiting the activity of CAP; (vii) for treating carcinoma; (viii) for neutralizing the effect of CAP; (vii) for treating carcinoma; (viii) for neutralizing the effect of CAP; (vii) for diagnosing carcinoma or a propensity to carcinoma; and (xi) for determining Carcinoma Associated (CA) gene copy number. In addition, the CA genes are useful as DNA vaccines and the CAP are useful as markers of carcinoma including lymphoma. The present sequence is one such CAP. Note: This patent is an equivalent to basic patent US2002182586A1, for which no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              upregulated cell proliferation, or inhibition of apoptosis, e.g. cancer, autoimmune diseases, viral infections, inflammation, graft-versus-host disease, acute graft rejection, chronic graft rejection, AIDS, neurodegenerative disorders, myelodysplastic syndromes, ischaemic injury, toxin-induced liver disease, septic shock, cachexia, and anorexia. The present sequence represents human tumour necrosis factor receptor TACI, included for comparison with TR20.
                                                                                                                       Sequence 293 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Recombinant nucleic acid useful for diagnosis and treatment of carcinoma comprises a nucleotide sequence.
                                                                                                                                                                                  sequence data was published
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 5; SEQ ID NO 1650; Opp; English.
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	40 14.1 141 6 US-10-44	40 14.1 135 6 US-10-95	40 14.1 115 7 US-11-17	40 14.1 106 6 US-10-95	40 14.1 106 6 US-10-95	40 14.1 104 6 US-10-95	40 14.1 89 6 US-10-44	40 14.1 17 7 US-11-29	40 14.1 17 7 US-11-29	40 14.1 17 7 US-11-29	40 14.1 1/ / US-11-29	40 14.1 17 7 US-11-29	40 14.1 17 7 US-11-29	40 14.1 17 7 US-11-23	40.5 14.3 4391 7 US-11-18	40.5 14.3 3658 7 US-11-17	40.5 14.3 2161 6 US-10-82	40.5 14.3 1962 / US-11-17	40.5 14.3 1933 / US-11-17	40.5 14.3 1867 7 US-11-17	40.5 14.3 1867 7 US-11-17	40.5 14.3 1801 7 US-11-17	40.5 14.3 1676 7 US-11-17	40.5 14.3 1523 7 US-11-17	40.5 14.3 1471 7 US-11-17	40.5 14.3 1373 7 US-11-17	40.5 14.3 13/0 / US-II-I/	40.0 14.0 1007 / COTHIT	40 5 14 3 1329 7 16-11-17	40 5 14 3 1309 7 115-11-17	40 5 14 3 1299 7 US-11-17	40 5 14 3 1296 7 US-11-17	40 5 14 3 1292 7 115-11-17	40 5 14 3 1281 7 HS-11-17	40 5 14 3 1077 7 118-11-17	40 5 14 3 1161 7 115-11-17	40 S 14 3 1089 7 HS-11-17	40 5 14 3 1052 7 115-11-17	40 G 14 3 10 GO 7 11 11 11 11 11 11 11 11 11 11 11 11 1	40 5 14 3 978 7 115-11-17	40.5 14.3 926 6 US-10-95	40.5 14.3 919 6 US-10-95	40.5 14.3 916 6 US-10-19	40.5 14.3 878 6 US-10-95	40.5 14.3 812 7 US-11-31	40.5 14.3 810 6 US-10-78	40.5 14.3 798 6 US-10-51	40.5 14.3 713 6 US-10-19	40.5 14.3 699 6 US-10-44	40 5 14 3 697 6 IIS-10-44	40.5 14.3 632 6 05-10-95	40.5 14.3 626 6 US-10-95	40.5 14.3 625 7 US-11-26	40.5 14.3 618 7 US-11-07	40.5 14.3 618 7 US-11-17	40.5 14.3 613 6 US-10-95	40.5 14.3 604 6 US-10-44	40.5 14.3 602 6 US-10-95	40.5 14.5 555 6 05-10-55	40.5 14.3 595 6 116-10-55	40.5 14.3 595 6 CO-FO-55	40 m 14 3 505 6 10-10-55	40.5 14.5 555 6 CG-10-55	40 5 14 3 595 6 18-10-55	40 5 14 3 595 6 115-10-55	40 5 14 3 595 6 18-10-55	40.5 14.3 595 6 US-10-55	40.5 14.3 595 6 179-10-55	40 5 14 3 579 7 ITS_11_26
	40 14.1 141 6 US-10-449-902-	40 14.1 135 6 US-10-953-349-	40 14.1 115 7 US-11-174-307E	40 14.1 106 6 US-10-953-349-	40 14.1 106 6 US-10-953-349-	40 14.1 92 6 US-10-953-349-	40 14.1 89 6 US-10-953-349-	40 14.1 17 7 US-11-291-698 <i>E</i>	40 14.1 17 7 US-11-291-698F	40 14.1 17 7 US-11-291-698	40 14.1 17 7 US-11-291-698 <i>F</i>	40 14.1 17 7 US-11-291-698	40 14.1 17 7 US-11-291-698F	40 14.1 17 7 US-11-238-281-	40.5 14.3 4391 7 US-11-183-325-	40.5 14.3 3658 7 US-11-174-307E	40.5 14.3 2161 6 US-10-829-000-	40.5 14.3 2097 7 US-11-174-307F	40.5 14.3 1933 / US-11-1/4-30/E	40.5 14.3 1867 7 US-11-174-307B-	40.5 14.3 1867 7 US-11-174-307B-	40.5 14.3 1801 7 US-11-174-307B-	40.5 14.3 1676 7 US-11-174-307B-	40.5 14.3 1523 7 US-11-174-307B-	40.5 14.3 1471 7 US-11-174-307B-	40.5 14.3 1373 7 US-11-174-307B-	40.5 14.3 13/0 / 05-11-1/4-30/8-	40.5 14.5 1529 / US-II-I/4-50/5-	40.5 143.3 1339 7 HG_11_174_307B_	40 5 14 3 1309 7 IIS-11-174-3078-	40 5 14 3 1299 7 US-11-174-307B-	40 5 14 3 1296 7 IIS-11-174-307B-	40 5 14 3 1292 7 IIS-11-174-307B-	40 5 14 3 1281 7 IIS-11-174-307B-	40 5 14 3 1077 7 IIS-11-174-307B-	40 S 14 3 1161 7 IIS-11-174-307B-	40 S 14 3 1089 7 HS-11-174-3078-	40 S 14 3 1052 7 IIS-11-174-307B-	40 E 14 3 10 E 7 II 174 2075	40 S 14 3 978 7 IIS-11-174-30	40.5 14.3 926 6 US-10-953-349	40.5 14.3 919 6 US-10-953-349	40.5 14.3 916 6 US-10-196-749	40.5 14.3 878 6 US-10-953-349	40.5 14.3 812 7 US-11-318-939	40.5 14.3 810 6 US-10-781-841	40.5 14.3 798 6 US-10-511-93	40.5 14.3 713 6 US-10-196-749	40.5 14.3 699 6 US-10-449-902	40.5 14.3 697 6 IIS-10-449-903	40.5 14.3 632 6 05-10-353-343	40.5 14.3 626 6 US-10-953-349	40.5 14.3 625 7 US-11-261-390	40.5 14.3 618 7 US-11-071-796	40.5 14.3 618 7 US-11-178-72	40.5 14.3 613 6 US-10-953-349	40.5 14.3 604 6 US-10-449-902	40.5 14.3 602 6 US-10-953-349	40.5 14.5 555 6 55-11-045-546	40.5 14.3 595 6 115-10-553-298	40.5 14.3 595 6 US-10-553-298	40.0 L4.0 090 0 00-10-000-090	40.5 14.3 595 6 05-10-553-298	40 5 14 3 595 6 18-10-553-295	40 5 14 3 595 6 13-10-553-295	40 5 14 3 595 6 18-10-553-296	40.5 14.3 595 6 US-10-553-298	30C-EXX-01-XII X X0X E V	40 5 14 3 570 7 HG_11_261_30/
	40 14.1 141 6 US-10-449-902-550	40 14.1 135 6 US-10-953-349-2735	40 14.1 115 7 US-11-174-307B-5	40 14.1 106 6 US-10-953-349-3173	40 14.1 106 6 US-10-953-349-1256	40 14.1 92 6 US-10-953-349-1256	20 L4.L 20 6 US-10-217 30 12 14 17 17 17 17 17 17 17 17 17 17 17 17 17	40 14.1 17 7 US-11-291-698A-127	40 14.1 17 7 US-11-291-698A-10	40 14.1 17 7 US-11-291-698A-10	40 14.1 1/ US-11-291-6	40 14.1 17 7 US-11-291-698A-6	40 14.1 17 7 US-11-291-698A-1	40 14.1 17 7 US-11-238-281-19	40.5 14.3 4391 7 US-11-183-325-56	40.5 14.3 3658 7 US-11-174-307E	40.5 14.3 2161 6 US-10-829-000-4	40.5 14.3 2097 7 IIS-11-174-307B-14	40.5	40.5 14.3 1867 / US-11-174-307B-26	40.5 14.3 1867 7 US-11-174-307B-406	40.5 14.3 1801 7 US-11-174-307B-26	40.5 14.3 1676 7 US-11-174-307B-546	40.5 14.3 1523 7 US-11-174-307B-271	40.5 14.3 1471 7 US-11-174-307B-116	40.5 14.3 1373 7 US-11-174-307B-12	40.5 14.5 15/0 / 05-11-1/4-50/6-656	40.5 14.5 1330 7 WE 11 174 3075 850	40.5 143.3 1329 7 MS-11-174-307B-20	40 5 14 3 1309 7 IIS-11-174-3078-267	40 5 14 3 1299 7 US-11-174-307B-164	40 5 14 3 1296 7 US-11-174-307B-248	40 5 14 3 1292 7 IIS-11-174-307B-56	40.5 14.3 1281 7 IIS-11-174-307B-10	40 5 14 3 1077 7 Hg_11_174_307B_888	40 S 14 3 1161 7 IIS-11-174-307B-11	40.5 14.3 1089 7 HS-11-174-3078-62	40 S 14 3 1050 7 IIS-11-174-307B-17	40 E 14 3 10E0 7 1E-11-174-2078-73	40 S 14 3 978 7 IIS-11-174-3078-120	40.5 14.3 926 6 US-10-953-349	40.5 14.3 919 6 US-10-953-349-1108	40.5 14.3 916 6 US-10-196-749-78	40.5 14.3 878 6 US-10-953-349	40.5 14.3 812 7 US-11-318-939	40.5 14.3 810 6 US-10-781-841-34	40.5 14.3 798 6 US-10-511-93	40.5 14.3 713 6 US-10-196-749-416	40.5 14.3 699 6 US-10-449-902	40.5 14.3 697 6 IIS-10-449-902-5263	40.5 14.3 632 6 US-11-351-361-13	40.5 14.3 626 6 US-10-953-349	40.5 14.3 625 7 US-11-261-390-17	40.5 14.3 618 7 US-11-071-796	40.5 14.3 618 7 US-11-178-724-19	40.5 14.3 613 6 US-10-953-349-1120	40.5 14.3 604 6 US-10-449-902	40.5 14.3 602 6 US-10-953-349-459	40.5 14.5 555 6 55-11-045-546	40.5 14.3 595 6 115-10-553-298	40.5 14.3 595 6 US-10-553-298	40.0 L4.0 090 0 00-10-000-090	40.5 14.3 595 6 05-10-553-298	40 5 14 3 595 6 18-10-553-295	40 5 14 3 595 6 13-10-553-295	40 5 14 3 595 6 18-10-553-296	40.5 14.3 595 6 US-10-553-298	30C-EXX-01-XII X X0X E V	40 5 14 3 579 7 115-11-261-190
	40 14.1 141 6 US-10-449-902-55068 Se	40 14.1 135 6 US-10-953-349-27357 Se	40 14.1 115 7 US-11-174-307B-5376 Se	40 14.1 106 6 US-10-953-349-31736 Se	40 14.1 106 6 US-10-953-349-12568 Se	40 14.1 92 6 US-10-953-349-12569 Se	20 14.1 89 6 US-10-2479-31737 8	40 14.1 17 7 US-11-291-698A-127 S	40 14.1 17 7 US-11-291-698A-109 S	40 14.1 17 7 US-11-291-698A-108 S	40 14.1 1/ / US-11-291-698A-6/ S	40 14.1 17 7 US-11-291-698A-64 S	40 14.1 17 7 US-11-291-698A-13 S	40 14.1 17 7 US-11-238-281-19 Se	40.5 14.3 4391 7 US-11-183-325-56 Se	40.5 14.3 3658 7 US-11-174-307B-1668 Se	40.5 14.3 2161 6 US-10-829-000-4 S	40.5 14.3 2097 7 IIS-11-174-307B-390 Se	40.5 14.3 1962 7 HS-11-174-30/B-2226 Se	40.5 14.3 1867 / US-11-174-307B-2004 Se	40.5 14.3 1867 7 US-11-174-307B-406 Se	40.5 14.3 1801 7 US-11-174-307B-2660 S	40.5 14.3 1676 7 US-11-174-307B-546	40.5 14.3 1523 7 US-11-174-307B-2716 S	40.5 14.3 1471 7 US-11-174-307B-1160 S	40.5 14.3 1373 7 US-11-174-307B-1270 S	40.5 14.3 13/0 / US-11-1/4-30/8-858	40.5 14.5 1320 7 W-11-1/4-30/6-2030 8	40.5 14.3 1329 7 MS-11-174-307B-2050 S	40 5 14 3 1309 7 HS-11-174-307B-2670 S	40.5 14.3 1299 7 US-11-174-307B-1640 S	40 S 14 3 1296 7 US-11-174-307B-2482 S	40 5 14 3 1292 7 IIS-11-174-307B-564 S	40 S 14 3 1281 7 US-11-174-3078-106 S	40 S 14 3 1077 7 NS_11_174_307B_888 S	40 S 14 3 1161 7 IIS-11-174-307B-1150 S	40 S 14 3 1089 7 IIS-11-174-3078-62 S	40 S 14 3 1052 7 IIS-11-174-307B-1750 S	10 C 14:	40 S 14 3 978 7 IIS-11-174-3078-120 Se	40.5 14.3 926 6 US-10-953-349-11086 Se	40.5 14.3 919 6 US-10-953-349-11087 Se	40.5 14.3 916 6 US-10-196-749-78 Se	40.5 14.3 878 6 US-10-953-349-11088 Se	40.5 14.3 812 7 US-11-318-939-7 Se	40.5 14.3 810 6 US-10-781-841-34 Se	40.5 14.3 798 6 US-10-511-937-2445 Se	40.5 14.3 713 6 US-10-196-749-416 Se	40.5 14.3 699 6 US-10-449-902-45095 Se	40.5 14.3 697 6 IIS-10-449-902-52632 Se	40.5 14.3 632 6 05-10-505-345-11125 64	40.5 14.3 626 6 US-10-953-349-11200 Se	40.5 14.3 625 7 US-11-261-390-17 Se	40.5 14.3 618 7 US-11-071-796A-18 S	40.5 14.3 618 7 US-11-178-724-19 S	40.5 14.3 613 6 US-10-953-349-11201 S	40.5 14.3 604 6 US-10-449-902-55925 S	40.5 14.3 602 6 US-10-953-349-4592 S	40.5 14.3 600 7 Hg-11-045-540-6 66	40 S 14 3 S9S S 11S-10-553-298-12 St	40.5 14.3 595 6 US-10-553+298-10 Se	40.0 F4.0 090 6 00-10-000-00-0 06	40.5 14.3 595 6 US-10-553-298-8 Se	40 5 14 3 595 6 IIS-10-553-298-7 S	40 5 14 3 595 6 US-10-553-298-6 S	40 5 14 3 595 6 IIS-10-553-298-5 S	40.5 14.3 595 6 US-10-553-298-4 S	40.5 14.3 505 6 IIC-10-553-298-3 S	AO 5 1/3 570 7 15-11-261-360-15 5
	40 14.1 141 6 US-10-449-902-55068 Sequence	40 14.1 135 6 US-10-953-349-27357 Se	40 14.1 115 7 US-11-174-307B-5376 Sequenc	40 14.1 106 6 US-10-953-349-31736 Sequence	40 14.1 106 6 US-10-953-349-12568 Sequence	40 14.1 104 6 US-10-953-349-12569 Sequence	40 14.1 62 6 US-10-031737 Seguen	40 14.1 17 7 US-11-291-698A-127 Sequence	40 14.1 17 7 US-11-291-698A-109 Sequenc	40 14.1 17 7 US-11-291-698A-108 Sequence	40 14.1 1/ / US-11-291-698A-6/ Se	40 14.1 17 7 US-11-291-698A-64 Sequenc	40 14.1 17 7 US-11-291-698A-13 Sequence	40 14.1 17 7 US-11-238-281-19 Sequence	40.5 14.3 4391 7 US-11-183-325-56 Sequenc	40.5 14.3 3658 7 US-11-174-307B-1668 Sequenc	40.5 14.3 2161 6 US-10-829-000-4 Sequence	40.5 14.3 2097 7 IIS-11-174-307B-148 Segment	40.5 14.3 1933 / US-LI-1/4-30/B-2226 Seguenc	40.5 14.3 1867 / US-11-174-307B-2604 Sequence	40.5 14.3 1867 7 US-11-174-307B-406 Se	40.5 14.3 1801 7 US-11-174-307B-2660 Sequenc	40.5 14.3 1676 7 US-11-174-307B-546 Sequenc	40.5 14.3 1523 7 US-11-174-307B-2716 Sequenc	40.5 14.3 1471 7 US-11-174-307B-1160 Sequence	40.5 14.3 1373 7 US-11-174-307B-1270 S	40.5 14.3 1370 / US-11-1/4-30/B-858 Sequence	10.0 11.0 10.0 11.1 11.0 0.00 0.000 0.00000000	40.5 14.3 1339 7 MG_11_174_307B_2070 CCMCCIC	40 S 14 3 1309 7 IIS-11-174-3078-2670 Segment	40.5 14.3 1299 7 US-11-174-307B-1640 Sequence	40 S 14 3 1296 7 US-11-174-307B-2482	40 5 14 3 1292 7 IIS-11-174-307B-564 Segment	40 S 14 3 1281 7 IIS-11-174-307B-106	40 5 14 3 1277 7 IIS-11-174-307B-888 Securion	40 5 14 3 1161 7 US-11-174-307B-1150 Semilence	40 S 14 3 1089 7 IIS-11-174-3078-62 S	40 5 14 3 1052 7 IIS-11-174-307B-1750 Semilario	40. 0 14. 3 10. 0 11. 17. 20. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12	40 5 14 3 978 7 US-11-174-3078-120 Semienc	40.5 14.3 926 6 US-10-953-349-11086 Se	40.5 14.3 919 6 US-10-953-349-11087 Sequence	40.5 14.3 916 6 US-10-196-749-78 Se	40.5 14.3 878 6 US-10-953-349-11088 Sequenc	40.5 14.3 812 7 US-11-318-939-7 Sequenc	40.5 14.3 810 6 US-10-781-841-34 Sequence	40.5 14.3 798 6 US-10-511-937-2445 Sequence	40.5 14.3 713 6 US-10-196-749-416 Seguence	40.5 14.3 699 6 US-10-449-902-45095 Sequence	40.5 14.3 697 6 IIS-10-449-902-52632 Segment	40.5 14.3 632 6 05-10-953-349-11199 Segment	40.5 14.3 626 6 US-10-953-349-11200 Seguenc	40.5 14.3 625 7 US-11-261-390-17 Sequence	40.5 14.3 618 7 US-11-071-796A-18 Sequenc	40.5 14.3 618 7 US-11-178-724-19 Sequen	40.5 14.3 613 6 US-10-953-349-11201 Sequence	40.5 14.3 604 6 US-10-449-902-55925 Sequence	40.5 14.3 602 6 US-10-953-349-4592 Sequen	40.5 L4:5 550 6 05-E0-555-E86-E8 Segments	40.5 14.3 595 6 IIS-10-553-298-12 Segment	40.5 14.3 595 6 US-10-553-298-10 Segment	40.0 F4.0 000 6 00-10-000-0 0000000 00000000	40.5 14.3 595 6 US-10-553-298-8 Segment	40 5 14 3 595 6 US-10-553-298-7 Semilence	40 5 14 3 595 6 US-10-553-298-6 Semilano	40 5 14 3 505 6 US-10-553-298-5 Semilenc	40.5 14.3 595 6 US-10-553-298-4 Sequenc	40.5 14.3 505 6 115-10-573-208-1 3 505 6 600 em	40 5 1/ 3 579 7 11c_11_261_18 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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RESULT 2
US-11-318-156-6
; Sequence 6, Application US/11318156
; Publication No. US20060101529A1
; GENERAL INFORMATION:
; APPLICANT: Bram, Richard J.
; APPLICANT: Von Bulow, Gotz
; APPLICANT: Von Bulow, Gotz
; TITLE OF INVENTION: CAML AND METHODS OF US
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Publication No. US20060135431A1

GENERAL INFORMATION:
APPLICANT: MIN, HOSUNG
APPLICANT: MSU, HAILING
APPLICANT: XIONG, FEI
TITLE OF INVENTION: PEPTIDES AND RELATED MOLECULES THAT BIND TO TALL-1
FILE REFERENCE: A-743

CURRENT APPLICATION NUMBER: US/11/272,521

CURRENT FILING DATE: 2005-11-10
PRIOR APPLICATION NUMBER: US/10/145,206
PRIOR FILING DATE: 2002-05-13
PRIOR FILING DATE: 2002-05-13
PRIOR APPLICATION NUMBER: US 60/290,196
PRIOR FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 197
SOFTWARE: Patentin version 3.1

SEQ ID NO 197
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; TYPE: PRT
; ORGANISM: Human
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Sequence 126, App
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Sequence 41872, A
Sequence 2584, App
Sequence 34513, A
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Sequence 1, App.
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e 20731, A
e 31934, A
e 31934, A
e 20730, A
e 54105, A
e 344705, A
e 344705, A
p 34291, A
p 39299, A
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Sequence 55, Application US/11291698A
Publication No. US20060135430A1
GENERAL INFORMATION:
APPLICANT: Chan, Andrew Chee-Yuen
APPLICANT: Gordon, Nathaniel C.
APPLICANT: Kelley, Robert F.
                                                                                                       RESULT 4
US-11-291-698A-55
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US-11-318-156-2
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Best Local
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CURRENT APPLICATION NUMBER: US/11/318,156
CURRENT FILING DATE: 2005-12-23
PRIOR APPLICATION NUMBER: US/10/293,816
PRIOR FILING DATE: 2002-11-12
PRIOR PRIOR PRICATION NUMBER: US 09/782,857
PRIOR PRILING DATE: 2001-02-14
PRIOR APPLICATION NUMBER: US 09/290,333
PRIOR PILING DATE: 1999-04-12
PRIOR PILING DATE: 1999-04-12
PRIOR PILING DATE: 1997-03-03
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 293
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PRIOR FILING DATE: 2002-11-12
PRIOR APPLICATION NUMBER: US 09/782,857
PRIOR FILING DATE: 2001-02-14
PRIOR APPLICATION NUMBER: US 09/290,333
PRIOR FILING DATE: 1999-04-12
PRIOR APPLICATION NUMBER: US 08/810,572
PRIOR APPLICATION NUMBER: US 08/810,572
PRIOR FILING DATE: 1997-03-03
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/11318156; Publication No. US20060101529A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; LENGTH: 166
; TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 30.6 Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Bram, Richard J.
APPLICANT: Von Bulow, Gotz
TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
TITLE OF INVENTION: CAML AND METHODS OF USE THEREOF
FILE REFERENCE: 44158/254623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE: 44158/254623
CURRENT APPLICATION NUMBER: US/11/318,156
CURRENT FILING DATE: 2005-12-23
                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 34 CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS
                                                                                               11; Conservative
                                               8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
                                                                                                                    h 23.9%;
Similarity 30.6%;
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CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS
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                                                                                          Score 67.5; DB 7;
Pred. No. 0.29;
9; Mismatches 15
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Pred. No. 0.17;
9; Mismatches 15
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     68
                                                                                                                                          Length 293;
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RESULT 6
US-10-953-349-20717
; Sequence 20717, Application US/10953349
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US-11-291-698A-38
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CURRENT FILING DATE: 2005-11-30
PRIOR APPLICATION NUMBER: PCT/US04/17682
PRIOR FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,481
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SEQ ID NO 55
LENGTH: 175
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 38
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APPLICANT: Chan, An
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                                                                                                                                                                                                Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                        PRIOR FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR FILING DATE: 2003-06-05
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR FILING DATE: 2003-06-05
                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 216
SOFTWARE: PatentIn version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: 11669.174USC1
CURRENT APPLICATION NUMBER: US/11/291,698A
CURRENT FILING DATE: 2005-11-30
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APPLICANT:
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TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Koehler, Michael F.T.
APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
FILE REFERENCE: 11669.174USC1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: PCT/US04/17682
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                                                                                                                                                                                                                                                                         TYPE: PRT ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Rat
                                                                                                                                                                                                                                                                                                                  ENGTH: 175
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                                                                                                                                         7 OCSONEYFDSLLHACIPCOL 26
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                                                                                                      QCNQTECFDPLVRNCVSCEL 40
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                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                         version 3.3
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Pred. No. 0.63;
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Pred. No. 0.47;
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US-11-293-697-2874
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US-10-496-758-2
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2874
LENGTH
                                                                                                                                                                                                                                                                          Sequence 2, Application US/10496758
Publication No. US20060089311A1
GENERAL INFORMATION:
            PRIOR APPLICATION NUMBER: 60/334,152
PRIOR FILING DATE: 2001-11-28
NUMBER OF SEQ ID NOS: 2
SOPTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 247
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2874, Application US/11293697
Publication No. US20060105376A1
GENERAL INFORMATION:
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CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: PatentIn version 3.3
SEQ ID NO 20717
LENGTH: 308
TYPE: PRT
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GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
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Best Local :
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Best Local Similarity
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FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/11/293,697
CURRENT FILING DATE: 2005-12-05
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR FILING DATE: 2002-03-28
                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/496,758
CURRENT FILING DATE: 2004-05-26
                                                                                                                                                                                                                     APPLICANT: GENEEL TREATMENT OF METABOLIC DISORDERS WITH RYZN AGONISTS AND ANTAGONIST FILE REFERENCE: 163.WO1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: HELIX RESEARCH INSTITUTE
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Local Similarity 34.8%;
es 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22.1%; Score 62.5;
21.4%; Pred. No. 4;
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Pred. No. 1.3;
5; Mismatches
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US-10-449-902-41231
; Sequence 41231, Application US/10449902
; Publication No. US20060123505A1
RESULT 11
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US-10-953-349-22125
; Sequence 22125, Application US/10953349
; Publication No. US20060107345A1
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US-10-449-902-41231
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SOFTWARE: PatentIn version 3.3
SEQ ID NO 22125
LENGTH: 282
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SEQ ID NO 41231
LENGTH: 1182
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR FILING DATE: 2003-05-39
PRIOR FILING DATE: 2002-15-30
PRIOR FILING DATE: 2002-12-11
PRIOR FILING DATE: 2002-12-11
                                                                                                                                                                                                                                                                                                                                           APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
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                                                                                                                                                                                                                              ORGANISM: Glycine max
                                                                                                                                Local Similarity es 17; Conserv
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                                                        SSNTYTDFVFQAAVPKFLQLHLDPASSNTLP----ANGSITQSLK 243
                                                                                            SQNEYFDSLLHACIPCQLR-----CSSNTPPLTCQRYCNASVTNSVK 50
                                                                                                                                  Conservative
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Pred. No. 15;
                                                                                                                                                  Score 57.5;
Pred. No. 4.
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                                                                                                                                ed. No. 4.8;
Mismatches
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                                                                                                                                                                    Length 282;
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                                                                                                                                  Indels 11;
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; SEQ ID NO 22123
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Glycine max
US-10-953-349-22123
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Sequence 22123, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
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publication No. US20060107345A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
FILE REFERENCE: 2750-1579PUS2
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                                                                                                                                                                                                                                                                                               Sequence 35358, Application US/10449902
Publication No. US20060123505A1
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Best Local
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                                                                                        APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
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CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
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17; Conserv
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Pred. No. 5.8;
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US-10-449-902-43388
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US-10-449-902-35358
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SEQ ID NO 35358
LENGTH: 576
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                                                                        SOFTWARE: PatentIn Ver. SEQ ID NO 43388
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
                                                                                                                                                                                                                                                   FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
                                                                                                                          PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: JP 2002-203269 PRIOR FILING DATE: 2002-05-30
                                                                                                                                                                             PRIOR APPLICATION NUMBER: JP 2002-383870
ORGANISM: Oryza sativa
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                                                ENGTH:
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                                                     807
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25.9%; Pred. No. 11;
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APPLICANT: Ludwig Institute for Cancer Research et TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES FILE REFERENCE: 28967/39178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR PILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: Patentin 3.2
SEQ ID NO 864
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PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: Patentin 3.2
SEQ ID NO 436
LENGTH: 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 436, Application US/10505928 Publication No. US20060088532A1 GENERAL INFORMATION:
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Best Local Similarity 35.0%;
Matches 14; Conservative
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                                                                      Matches
                                                                                                     Query Match
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TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 29867/39178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
                                                                                                                                                       LENGTH: 419
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
                                                                                      Local Similarity
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   327
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QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES
                                   QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS
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                                                                        Conservative
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; Pred. No. 14;
10; Mismatches
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Pred. No. 17
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                                                                                      Score 54.5;
Pred. No. 17
                                                                        Mismatches
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; Sequence 3, Application US/11346806
; Publication No. US20060121025A1

RESULT 18 US-11-346-806-3

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; FEATURE:
; NAME/KEY: Human
; LOCATION: 1-419
; OTHER INFORMATION: Sequence source:
US-11-346-806-3
                                                                                                                                                                       US-10-449-902-33792
                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Homo sapiens US-11-293-697-2712
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                                                                                                    Sequence 33792, Application US/10449902 Publication No. US20060123505A1 GENERAL INFORMATION:
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Publication No. US20066105376A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NOVEL full length cDNA
FILE REFERENCE: H1-A0106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2712
LENGTH: 298
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APPLICANT: Lee, Jan
APPLICANT: Wood, W
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Best Local Similarity
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CURRENT FILING DATE: 2006-02-03
PRIOR APPLICATION NUMBER: US/09/313,299
PRIOR FILING DATE: 1999-05-17
PRIOR APPLICATION NUMBER: US 08/706,054
PRIOR FILING DATE: 1996-08-30
PRIOR APPLICATION NUMBER: US 60/003,491
PRIOR FILING DATE: 1995-09-08
APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/11/293,697 CURRENT FILING DATE: 2005-12-05
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TYPE: PRT
ORGANISM: Human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
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                                                                                                                                                                                                                                                          FDYVLPPILQCQSGHLVCSNCRPKLTCCPTCRGPLGSIRNLAMEKVANSV 110
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34.0%;
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Pred. No.
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Pred. No. 17
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CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 28786
LENGTH: 272
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US-10-449-902-28786
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US-10-449-902-28786
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US-10-449-902-33792
                                                                                                                                                                                                                                                                            Sequence 49738, Application US/10449902; Publication No. US20060123505A1
                                                                                                                                                                                                                                                   GENERAL INFORMATION >
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APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION MUMBER: US
CURRENT APPLICATION NUMBER: JP 2002-203269
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR PILING DATE: 2002-05-30
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
ITILE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205VI-US
CURRENT APPLICATION NUMBER: US/10/449,902
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CURRENT FILING DATE: 2003-05-29
ERIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
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Similarity 47.6%;
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Pred. No. 4.5;
4; Mismatches
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Pred. No. 1
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RESULT 24
US-10-953-349-29073
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US-10-449-902-49738
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                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: PatentIn version 3.3
SEQ ID NO 29073
LENGTH: 103
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                Sequence 29073, Application US/10953349 Publication No. US20060107345A1 GENERAL INFORMATION:
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Publication NO. US20060107345A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai et al.
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Best Local
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Best Local (
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LENGTH: 272
TYPE: PRT
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Best Local (
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CURRENT FILING DATE: 2004-99-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: SEQUENCE-DETERMINED TITLE OF INVENTION: ENCONDED THERBY FILE REFERENCE: 2750-1579PUS2
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NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
                                                                                                                                                                                                                                                                                 FILE REFERENCE: 2750-1579PUS2
                                                                                                                                                                                                                                                                                                                                APPLICANT: ALEXANDROV, Nickolai et al
                                                                                                                                                 ORGANISM: Triticum aestivum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 GOCSONEYFDSLL----HAC 21
                                5 AGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQ--RY---CNASVTNSVKG 51
                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGRCANNWRKEMCNDKCNVCCQRCNC-VPPGTGQDTRHICPCYATMINPHNG 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GSCSMDSYFDDILKDTEHHAC 46
AGRCANNWRKEMCNDKCNVCCQRCNC-VPPGTGQDTRHICPCYATMTNPHNG 98
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                                                                Score 53; DB Pred. No. 6.3; Nismatches
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Pred. No.
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Pred. No. 1
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                                                                                                 DB 6;
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                                                                   21;
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US-11-293-697-3150
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publication No. US20066107345A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai et al.
APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3150, Application US/11293697
Publication No. US20060105376A1
GENERAL INFORMATION:
                                                                                                                                                                                                         Sequence 6, Application US/10504973 Publication No. US20060121459A1 GENERAL INFORMATION:
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LENGTH: 122
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Best Local
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CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
                                                                               APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/11/293,697
CURRENT FILING DATE: 2005-12-05
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR FILING DATE: 2002-03-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: Novel full length cDNA
FILE REFERENCE: H1-A0106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn version 3.3
                                                                                                                                                                                       APPLICANT: INCYTE GENOMICS, INC.; CHAWLA, Narinder K.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 5458
                                                                APPLICANT:
                                          APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
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                        PPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                     4 MAGQCS-----QNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVT 46
                                                                                                                                                                                                                                                                                                                                                                                                                                               13;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18;
               YUE, Henry; RICHARDSÓN, Thomas W.;
MARQUIS, Joseph P.; GORVAD, Ann E.;
BECHA, Shanya D.; KABLE, Amy E.;
SWARNAKAR, Anita; JIN, Pei;
SWARNAKAR, Phillip R.; CHIEN, David;
HAWKINS, Phillip R.; CHIEN, David;
HAWKINS, Jayalaxmi; LEHR-MASON, Patr:
TRAN, Uyen K.; HAFALIA, April J.A.;
BAUGHN, Mariah R.; LEE, Soo Yeun;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
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JIAN, Xin; JACKSON,
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Pred. No. 7
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                                                                  Patricia M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                             21;
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CURRENT APPLICATION UNMBER: US/10/504,973
CURRENT FILING DATE: 2004-08-18
PRIOR APPLICATION UNMBER: US 60/358,279
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/364,338
PRIOR REILING DATE: 2002-03-13
PRIOR APPLICATION NUMBER: US 60/375,657
PRIOR APPLICATION NUMBER: US 60/376,669
PRIOR FILING DATE: 2002-04-29
PRIOR PILING DATE: 2002-04-29
PRIOR PILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/379,837
PRIOR APPLICATION NUMBER: US 60/379,853
PRIOR APPLICATION NUMBER: US 60/379,853
PRIOR FILING DATE: 2002-05-10
PRIOR PILING DATE: 2002-05-10
SOPTWARE: PERL PROGRAM
SEQ ID NOS: 76
SOPTWARE: PERL PROGRAM
SEQ ID NO 6
'US-10-449-902-38182
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                         RESULT 29
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US-10-449-902-40143
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APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement
APPLICANT: The Institute of Physical and Chemical Resear
APPLICANT: Foundation for Advancement of International S
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SEQ ID NO 40143
LENGTH: 398
                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                          Query Match
Best Local
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Publication No. US20060123505A1
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Best Local Similarity
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APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
PRIOR FILING DATE: 2002-12-11
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TITLE OF INVENTION: RECEPTORS AND MEMBRANE-ASSOCIATED PROTEINS
FILE REFERENCE: PF-1381 PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 56791
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OTHER INFORMATION: Incyte ID No: 7509361CD1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
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les 12; Conserv
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                                                                                                                                             1 MLQMAGQCSQ--NEYFDSLLHACIPCQLRCSSNTPPLTCQ 38
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                                                                                               LVTLIGSCREAFGLVYEFLPKGSLEDRLACLNNTPPLTWQ 116
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Pred. No. 24;
9; Mismatches
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                                                                                                                                                                                                                                            Length 398;
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CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: UP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: UP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 38182
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                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: PRT; ORGANISM: Oryza sativa US-10-449-902-44810
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US-10-449-902-38182
                                                                            ; Sequence 18161, Application US/10953349 ; Publication No. US20060107345A1
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; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nickolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
                                                                                                                               US-10-953-349-18161
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Publication No. US20060123505A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 44810
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-8020571-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
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CURRENT FILING DATE: 2003-05-29
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l Similarity 27.7%;
l3; Conservative
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Similarity 27.7%;
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                                                                                                                                                                                                                                                                                                                              6; Mismatches
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Pred. No. 40;
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US-10-953-349-18160
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                                                                                          ; ORGANISM: Glycine max US-10-953-349-18159
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                                                                                                                                     SOFTWARE: PatentIn version 3.3
SEQ ID NO 18159
LENGTH: 115
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:

APPLICANT: ALEXANDROV, Nickolai et al.

TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES

TITLE OF INVENTION: ENCONDED THERBY
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SOFTWARE: PatentIn version 3.3
SEQ ID NO 18161
LENGTH: 95
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                                Matches
                                            Best Local Similarity
                                                           Query Match
                                                                                                                                                                                 FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: U
CURRENT FILING DATE: 2004-09
UCURRENT FILING DATE: 2004-09
UCURRENT FILING TOS: 40552
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                                                                                                                                                                                                                                                  APPLICANT: ALEXANDROV, NICKOlai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
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                                                                                                                         TYPE: PRT
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 24 CQLRCSSNTPPLTCQRYC 41
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                                            Score 52; DB Pred. No. 9.4;
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Pred. No. 8.3;
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Pred. No. 7.8;
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; TYPE: PRT; ORGANISM: Oryza sativa US-10-449-902-31482
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APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
                                                                                                                                                                                                                                                    PRIOR FILING DATE: 2004-06
NUMBER OF SEQ ID NOS: 5544
SEQ ID NO 3284
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SEQ ID NO 31482
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                                                                                                                      Query Match
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS FILE REFERENCE: 2750-16019US2 CURRENT APPLICATION NUMBER: US/11/174,307B CURRENT FILING DATE: 2005-06-30 PRIOR APPLICATION NUMBER: 60/583,671 PRIOR APPLICATION NUMBER: 60/583,781 PRIOR APPLICATION NUMBER: 60/583,781
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PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
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CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ALEXANDROV, Nickolai APPLICANT: BROVER, Vyacheslav
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                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 2004-06-30 PRIOR APPLICATION NUMBER: 60/583,651
                                                                                                                                                                                          ORGANISM: Triticum aestivum
                                                                                                                                                                                                                TYPE: PRT
                                                                                                                                                                                                                                  LENGTH: 513
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                                                                                                       Local Similarity
217
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                                          CSQNEYFDSLLHACIPCQLRCSSNTPPLTC 37
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                                                                                                    Score 52; DB
Pred. No. 41;
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Pred. No. 23;
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; TYPE: PRT ; ORGANISM: Zea mays subsp. mays ;US-10-953-349-38340
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US-10-953-349-2499
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SOFTWARE: PatentIn version 3.3
SEQ ID NO 2499
LEMOTER - --
                                                   CURRENT APPLICATION UNDER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40.52
SOFTWARE: PatentIn version 3.3
SEQ ID NO 38340
LENGTH: 348
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Publication No. US20060107345A1
GENERAL INFORMATION:
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Publication No. US20060107345A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai et al.
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Best Local
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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT FAPLICATION NUMBER: US/10/953,349
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
                                                                                                                                                                        APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
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CURRENT FILING DATE: 2004-09-30
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TYPE: PRT
ORGANISM: Arabidopsis thaliana
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8; Conserv
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; Pred. No. 21;
5; Mismatches
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Pred. No. 12;
2; Mismatches
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12;
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APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 38338
LENGTH: 442
TYPE: PRT
Sequence 10968, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; SEQ ID NO 38339
; LENGTH: 357
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
US-10-953-349-38339
                                                                                                                RESULT 41
US-10-953-349-10968
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US-10-953-349-38338
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Publication No. US20060107345A1
GENERAL INFORMATION:
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Best Local Similarity 28.1%; Pred. No. 38;
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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-15799US2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                ch 18.0%; Score 51; DB 1 Similarity 28.1%; Pred. No. 47; 16; Conservative 10; Mismatches
                                                                                                                                                                                                                                                     1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTP---PLT---CQRYCNASYTNSVKG
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       DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
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US-10-449-902-44069
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US-10-953-349-10967
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SOFTWARE: PatentIn version 3.3
SEQ ID NO 10967
LENGTH: 660
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Publication No. US20066107345A1

GENERAL INFORMATION:

APPLICANT: ALEXANDROV, Nickolai et al.

TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES

TITLE OF INVENTION: ENCONDED THERBY

FILE REFERENCE: 2750-1579PUS2

CURRENT APPLICATION NUMBER: US/10/953,349

CURRENT FILING DATE: 2004-09-30
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SOFTWARE: PatentIn version 3.3
SEQ ID NO 10968
                                                                                  PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 44069
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Publication No. US20060123505A1
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Best Local Similarity 45.8%;
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ORGANISM: Oryza sativa
-10-449-902-44069
                                                                                                                                                                                                                                    APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
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ORGANISM: Arabidopsis thaliana
                                                                  ENGTH:
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                                                                    868
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Pred. No.
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Pred. No.
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US-10-953-349-2983
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US-10-449-902-36200
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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 2983
                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2983, Application US/10953349 Publication No. US20060107345A1 GENERAL INFORMATION:
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SEQ ID NO 36200
LENGTH: 364
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Best Local Similarity
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Best Local Similarity
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
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PRIOR FILING DATE: 2002-05-30
                                                                                                                                                             LENGTH: 463
TYPE: PRT
ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
                                                                                        Local Similarity
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                                 23 PCQLRCSSNTPPLT--CQRYCNASVTNSVKG 51
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PC-YRCLFPTPPPTSACORCSDSGVLGVVPG
                                                                      Conservative
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                                                                                    17.8%;
45.2%;
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Pred. No. 45;
8; Mismatches
                                                                      2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 51; DB
Pred. No. 92;
                                                                                      Score 50.5;
Pred. No. 5
                                                                                          57;
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                                                                                                        Length 463;
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RESULT

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US-10-449-902-54639
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Publication No. US20060107345A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE REFERENCE: 2750-1579PUS2
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 2981
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APPLICANT: ALEXANDROV, Nickolai et al.
APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION UNDER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                                                              Sequence 54639, Application US/10449902 Publication No. US20060123505A1 GENERAL INFORMATION:
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               APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
FILE REFERENCE: MOA-DA0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: US/2002-203269
PRIOR APPLICATION NUMBER: UP 2002-2038870
PRIOR FILING DATE: 2002-12-11
PRIOR FILING DATE: 2002-12-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Arabidopsis thaliana
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TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
SEQ ID NOS: 56791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCQLRCSSNTPPLT--CQRYCNASVTNSVKG 51
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45.2%;
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45.2%;
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Pred. No. 57;
2; Mismatches
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Pred. No. 59;
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SEQ ID NO 22
LENGTH: 458
TYPE: PRT
ORGANISM: Aspergillus nidulans FGSC A4
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank Accession No.
DATABASE ENTRY DATE: 2004-09-09
RELEVANT RESIDUES: (1)..(458)
US-11-024-544A-22
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US-10-449-902-54639
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TITLE OF INVENTION: NOVE! full length cDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/11/293,697
CURRENT FILING DATE: 2005-12-05
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: Patentin Ver. 2.1
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SEQ ID NO 54639
LENGTH: 351
TYPE: PRT
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Publication No. US20060105376A1
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 Query Match
Best Local Similarity
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APPLICANT: Ya
APPLICANT: Xi
APPLICANT: XI
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TITLE OF INVENTION: FATTY ACIDS AND OIL CO
FILE REFERENCE: CL2717
CURRENT APPLICATION NUMBER: US/11/024,544A
CURRENT FILING DATE: 2004-12-29
NUMBER OF SEQ ID NOS: 175
SOFTWARE: Patentin version 3.3
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TYPE: PRT
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Similarity 31.0%;
13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                        Yadav, Narendra
Xue, Zhixiong
                                                                                                                                                                                                                                                                                                                                                                                                             .I. duPont de Nemours and Company, Inc
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39.3%;
   17.7%;
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Pred. No. 60;
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Pred. No. 50;
   Score
Pred.
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ND OIL CONTENT IN
   50;
DB
65;
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                   Length 458;
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US-11-264-784-88
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US-11-190-750-136
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US-11-190-750-136
                                                                  ; FEATURE:
NAME/KEY: misc_feature
; OTHER INFORMATION: DGAT1
US-11-264-784-88
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Query Match
Best Local Similarity 45.0
Matches 9; Conservative
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APPLICANT: E.I. duPont de Nemours & Co.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                 SOFTWARE: PatentIn version 3.3 SEQ ID NO 88
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: POLYUNSATURATED FATTY
TITLE OF INVENTION: OLEAGINOUS ORGANISMS
FILE REFERENCE: CL2718
CURRENT APPLICATION NUMBER: US/11/190,750
CURRENT FILING DATE: 2005-07-27
NUMBER OF SEQ ID NOS: 159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: E.I. duPont de Nemours and Company, Inc.
APPLICANT: Picataggio, Stephen K.
APPLICANT: Yadav, Narendra
APPLICANT: Zhang, Hongxiang
TITLE OF INVENTION: ACYLTRANSFERASE REGULATION TO INCREASE THE PERCENT OF
TITLE OF INVENTION: POLYUNSATURATED FATTY ACIDS IN TOTAL LIPIDS AND OILS
                                                                                                                                                                                                              TITLE OF INVENTION: HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA FILE REFERENCE: CL3136 USNA CURRENT APPLICATION NUMBER: US/11/264,784 CURRENT FILING DATE: 2005-11-01 NUMBER OF SEQ ID NOS: 375
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TYPE: PRT
                                                                                                                                  ORGANISM: Aspergillus nidulans
                                                                                                                                                 TYPE: PRT
                                                                                                                                                                  ENGTH: 458
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Macool, Daniel Joseph
Picataggio, Stephen K.
Pollak, Dana M. Walters
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No. US20060094092A1
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Zhang, Hongxiang
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Damude, Howard Glenn
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45.0%;
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     Score 50; DB 'Pred. No. 65; 4; Mismatches
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Pred. No.
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                                                                                                                                    FGSC A4
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; FEATURE: nisc feature; NAME/KEV: misc feature; OTHER INFORMATION: DGAT1 US-11-264-737-129
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US-11-265-761-101
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                                                                                                                                                                                                                                                                                                                                                                                            Sequence 101, Application US/11265761 Publication No. US20060115881A1 GENERAL INFORMATION:
SOFTWARE: PatentIn version 3.3 SEQ ID NO 101
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                                                    APPLICANT: Zhu, Quinn
TITLE OF INVENTION: HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA
TITLE OF INVENTION: LIPOLYTICA
FILE REFERENCE: CL2698 USNA
CURRENT APPLICATION NUMBER: US/11/265,761
CURRENT FILING DATE: 2005-11-02
PRIOR APPLICATION NUMBER: US 60/624812
PRIOR FILING DATE: 2004-11-04
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TITLE OF INVENTION: DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
FILE REFERENCE: CL3160 US NA
CURRENT APPLICATION NUMBER: US/11/264,737
CURRENT FILING DATE: 2005-11-01
NUMBER OF SEQ ID NOS: 467
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APPLICANT:
APPLICANT:
                                         NUMBER OF SEQ ID NOS: 414
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APPLICANT: Damude, Howard Glenn
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TYPE: PRT
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Gillies, Peter John
Macool, Daniel Joseph
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Macool, Daniel Joseph
Pictaggio, Stephen K.
Ragghianti, James Joh
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Zhang, Hongxiang
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Pollak, Dana M. Walters
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Zhang, Hongxiang
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ilarity 45.0%;
Conservative
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Pred. No. 65;
4; Mismatches
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; TYPE: PRT
; ORGANISM: Aspergillus nidulans FGSC A4 [GenBank Accession No. EAA57945]
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: DGAT1
US-11-265-761-101
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                                                                                ; ORGANISM: Oryza sativa
US-10-449-902-43722
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GENERAL INFORMATION:
APPLICANT: Ludwig Institute for Cancer Research
TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 28967/39178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: PATENTIN 3.2
SEQ ID NO 146
SEQ ID NO 146
             Matches
                                            Query Match
                                                                                                                                                       SEQ ID NO 43722
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PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                               FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
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TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                   LENGTH: 801
TYPE: PRT
17.7%;
Local Similarity 32.4%;
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nes 9; Conserv
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Local Similarity 32.6%;
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The Institute of Physical and Chemical Research.
Foundation for Advancement of International Science
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ilarity 45.0%;
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                            Score 50; DB 6;
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Pred. No.
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LENGTH: 1617
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                     APPLICANT: ALEXANDROV, Nickolai
APPLICANT: BROVER, Vyacheslav
TITLE OF INVENTION: UNCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
FILE REFERENCE: 2750-16010US2
CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/583,671
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR FILING DATE: 2004-06-30
NUMBER OF SEQ ID NOS: 5544
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TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
FILE REFERENCE: 2750-1601PUS2
CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
CURRENT FILING DATE: 2005-06-30
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PRIOR APPLICATION NUMBER: 60/583,671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: GI Number: 7239512; NR Description: Strong similarity to the OTHER INFORMATION: higher plant tyrosine-specific protein phosphatases (PTPs) from JOTHER INFORMATION: thaliana gi|3413424 expressed during embryogenesis. (Arabidopsis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: GI Number: 34912696; NR Description: P0686E09.18 [Oryza OTHER INFORMATION: sativa (japonica cultivar-group)] >gi|13365580|dbj|BAB39125.1|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Arabidopsis thaliana FEATURE: NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: GI Number: 21536812; NR Description: unknown [Arabidopsis thalian:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION:
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9; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GI Number: 53793176; NR | protein phosphatase-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Score 50; DB
; Pred. No. 2.3e
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 7; 1
2.3e+02;
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e protein [Oryza sativa (japonica
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                                                                                                                                                                                                                                                                  Sequence 5090, Application US/11174307B
Publication No. US20060143729A1
GENERAL INFORMATION:
APPLICANT: ALEXANDROV, Nickolai
APPLICANT: BROVER, Vyacheslav
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Loc
Matches
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SEQ ID NO 2458
LENGTH: 1682
                                                                                                                                                                                                                                                                                                                                                                                                         -11-174-307B-5090
CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
PRIOR APPLICATION NUMBER: 60/583,671
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR PILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
                                                                                                                                                                           APPLICANT: BROVER, Vyacheslav
TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
FILE REFERENCE: 2750-1601PUS2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR FILING DATE: 2004-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: GI Number: 34898470; NR Description: ESTs OTHER INFORMATION: D47168(S12332),D46550(S1067) correspond to a region of the OTHER INFORMATION: predicted gene.~Similar to Prunus armeniaca OTHER INFORMATION: ethylene-forming-enzyme-like dioxygenase. (U97530) [Oryza sa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: GI Number: 50933567; NR Discription:
OTHER INFORMATION: ethylene-forming-enzyme-like dioxygenase-like protein |
OTHER INFORMATION: (japonica cultivar-group) | ysi [24413984 | dbj | BAC22235.1 |
OTHER INFORMATION: ethylene-forming-enzyme-like dioxygenase-like protein |
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NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: PFam
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NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACCACTATCTCTTCTCTCTCAATCT 30
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NUMBER: 60/583,781
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ethylene-forming-enzyme-like dioxygenase-like protein [Oryza sat: (japonica cultivar-group)] >gi|52075651|dbj|BAD44821.1| putative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    iron/ascorbate-dependent oxidoreductase
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37.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 50; DB
Pred. No. 2.4e
2; Mismatches
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es 15;
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US-11-289-102-328
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                                                                        Query Match
Best Local S
Matches 12
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PRIOR FILING DATE: 2004-11-30
NUMBER OF SEQ ID NOS: 395
SOFTWARE: PatentIn version 3.3
SEQ ID NO 328
LENGTH: 324
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Lee, Hyerim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 328, Application US/11289102 Publication No. US20060121511A1
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Best Local
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SEQ ID NO 5090
                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Shaw, Peter M.
APPLICANT: Clark, Edwin
TITLE OF INVENTION: BIOMARKERS AND METHODS FOR DETERMINING SENSITIVITY
TITLE OF INVENTION: MICROTUBULE-STABILIZING AGENTS
                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/11/289,102
CURRENT FILING DATE: 2005-11-29
                                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: GI Number: 56784709; NR Description: OTHER INFORMATION: protein-like [Oryza sativa (japonica OTHER INFORMATION: gi|56784036|dbj|BAD82664.1| integral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: GI Number: 50898970; NR Description: integral membrane OTHER INFORMATION: protein-like [Oryza sativa (japonica cultivar-group)] OTHER INFORMATION: >gi|47497809|dbj|BAD19907.1| integral membrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: GI Number: 38604002; NR Description: At2g37200 [Arabidopsis OTHER INFORMATION: thaliana] >gi|38454082|gb|AAR20735.1| At2g37200 [Arabidopsis OTHER INFORMATION: thaliana] >gi|30687069|ref|NP_181257.2| integral membrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION:
OTHER INFORMATION: GI Number: 22330130; NR Description: integral membrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Glycine
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                                                                           Local Similarity
hes 12; Conserv
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84
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                                     FDSLLHACIPCO---LRCSSNTPPLTCQRYCNASVTNSVK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LSLAAACSTASIADLLLEA-----GGSHCPPKLCGRY
FDYVLPPILQCQAGHLVCNQCRQKLSCCPTCRGALTPSIR 123
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                                                                             Conservative
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35.9%;
                                                                                           17.5%;
                                                                           Score 49.5; Di
Pred. No. 53;
8; Mismatches
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Pred. No. 25;
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                                                                             17;
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                                                                                                                Length 324;
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cultivar-group))
membrane protein-
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RESULT 61 US-10-953-349-21867

Sequence 21867, Application US/10953349

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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES TITLE OF INVENTION: ENCONDED THERBY FILE REFERENCE: 2750-15799US2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: Patentin version 3.3
SEQ ID NO 21867
LENGTH: 327
TYPE: PRT
ORGANTO:
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US-10-953-349-21866
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 US-10-505-928-397
                                                                                                                                                                                                                                                                                                                         RESULT 63
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US-10-953-349-21866
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                                                                                                                    Sequence 397, Application US/10505928
Publication No. US2060088532A1
GENERAL INFORMATION:
APPLICANT: Ludwig Institute for Cancer Research et al.
TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 28967/39178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn version 3.3 SEQ ID NO 21866 LENGTH: 506
                                                                     NUMBER OF SEQ ID NOS: 866
SOFTWARE: PatentIn 3.2
SEQ ID NO 397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21866, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
              TYPE: PRT
ORGANISM: Homo sapiens
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                                                  ENGTH: 971
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                           184 QCTQSINPEYDNSSSSVLNCDSRDSKDT---QCQVYLSGEMSISTK 226
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30.4%;
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Pred. No. 83;
9; Mismatches
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Pred. No. 5
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US-10-449-902-41144
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                                                                         SEQ ID NO 132
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APPLICANT:
APPLICANT:
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FEATURE:
                                                    ENGTH: 17
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17; Conserv
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PRIOR APPLICATION NUMBER: PCT/US04/17682
PRIOR FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR FILING DATE: 2003-06-05
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR FILING DATE: 2003-06-05
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR FILING DATE: 2003-06-05
NUMBER OF SEQ ID NOS: 216
SOFTWARE: Patentin version 3.3
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SEQ ID NO 41144
LENGTH: 1016
TYPE: PRT
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Best Local Similarity 33.3
Matches 16; Conservative
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Publication No. US20060123505A1
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT APPLICATION NUMBER: US/202-203269
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR APPLICATION NUMBER: JP 2002-383870
                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/11/291,698A CURRENT FILING DATE: 2005-11-30
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NUMBER OF SEQ ID NOS: 56791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Starovasnik, Melissa A.
TITLE OF INVENTION: BLYS ANTAGONISTS AND USES THEREOF
OTHER INFORMATION: Clone 91
                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         326 CEYNPVEVSML-TCLADVREPCQLGCRNLTYCTNFNNRPTELFRSCNA 372
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CASRKGKRALVHSCPSSSIPSKIPRTS--PPLSSEADLPPCRPNASVTNA 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CSQNEYFDSLLHAC----IPCQLRCSSNTPPLTCQR---YC--NASVTNS 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gordon, Nathaniel C. Kelley, Robert F. Koehler, Michael F.T.
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Pred. No. 1.6e+02;
3; Mismatches 16;
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US-10-953-349-10623
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                                                                US-11-217-557-4
                                                                             RESULT 68
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               Sequence 4, Application US/11217557
Publication No. US20060127927A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                       CURRENT FILING DATE: 2004-09-:
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: PatentIn version 3.3
SEQ ID NO 10622
LENGTH: 359
TYPE: PRT
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Publication No. US20060107345A1
GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
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TITLE OF INVENTION: SEQUENCE-DETERMINED
TITLE OF INVENTION: ENCONDED THERBY
                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ALEXANDROV, Nickolai et al.
TITLE OF INVENTION: SEQUENCE-DETERMINED
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
APPLICANT: Korneluk,
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TYPE: PRT
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                                                                                                                                                                                            Similarity
9; Conserv
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                                                                                                                                                           FDSLLHACIPCOLRCSSNTPPLTCORY 40
                                                                                                                             FNSSDGCCKACKVMCSGNDGPCLCDSW 143
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Robert G.
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33.3%;
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33.3%;
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Pred. No.
                                                                                                                                                                                                         Score 49; DB
Pred. No. 70;
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Pred. No.
                                                                                                                                                                                            Mismatches
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                                                                                                                                                                                                                        DB 6; Length 369;
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                            RESULT 70
US-11-174-307B-2106
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; Sequence 2106, Application US/11174307B; Publication No. US20060143729A1
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; TYPE: PRT
; ORGANISM: Homo
US-11-217-557-4
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CURRENT FILING DATE: 2005-06-30
PRIOR APPLICATION NUMBER: 60/583,671
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR FILING DATE: 2004-06-30
NUMBER OF SEQ ID NOS: 5544
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                                                                                         Matches
                                                                                                            Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 1540
LENGTH: 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: MacKenzie, Alexander E.
APPLICANT: Baird, Stephen
TITLE OF INVENTION: Mammalian IAP Gene Family, Primers,
TITLE OF INVENTION: Mammalian IAP Gene Family, Primers,
TITLE BEFERENCE: 07891/03007
CURRENT PRILON NUMBER: US/11/217,557
CURRENT FILING DATE: 2005-09-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS FILE REFERENCE: 2750-1601FUS2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: ALEXANDROV, Nickolai APPLICANT: BROVER, Vyacheslav
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 08/576,956
PRIOR FILING DATE: 1995-12-22
PRIOR APPLICATION NUMBER: US 08/511,485
PRIOR FILING DATE: 1995-08-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US 09/654,743 PRIOR FILING DATE: 2000-09-01
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                                                                                                                                                                                                 OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                        FEATURE:
NAME/KEY: misc_feature
LOCATION:
                                                                                                                                                                                                                                                                                                        ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                    ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ENGTH: 497
                                                                                     Local Similarity hes 8; Conserv
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                                           21 CIPCOLRCSSNTPPLTCORYCNASVINS 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13;
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CATCTCTCAATCGTCTCTTTCGATATTT
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                                                                                         Conservative
                                                                                                                                                                                               GI Number: 34905882; NR Description: P0458E05.17 [Oryza sativa (japonica cultivar-group)] >gi|21902069|dbj|BAC05617.1|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     - EYINNIHLTHSLEECLVRTTEKTPSLT 363
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34.2%;
                                                                                                            17.3%;
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                                                                                                            Score 49;
Pred. No.
                                                                                         Mismatches
                                                                                                                1.5e+02
                                                                                                                                   DB 7;
                                                                                                                              Length 820
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US-11-178-724-22
; Sequence 22, Application US/11178724
; Publication No. US20060128619A1
; GENERAL INFORMATION:
                APPLICANT: YOUNG, LESLEY L.
APPLICANT: MCKENZIE, GRAHAME J.
TITLE OF INVENTION: THERAPEUTIC USE OF MODULATORS OF FILE REFERENCE: 674525-2021
CURRENT APPLICATION NUMBER: US/11/178,724
CURRENT FILING DATE: 2005-07-11
PRIOR APPLICATION NUMBER: PCT/GB04/00021
PRIOR APPLICATION NUMBER: GB 0300428.0
PRIOR FILING DATE: 2003-01-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 2750-1601PUS2
CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
PRIOR APPLICATION NUMBER: 60/583,671
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR PRILING DATE: 2004-06-30
PRIOR FILING DATE: 2004-06-30
                                                                                                                                                                                                                                                                                                                                                                   RESULT 71
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SEQ ID NO 2106
LENGTH: 1116
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APPLICANT: ALEXANDROV, Nickolai
APPLICANT: BROVER, Vyacheslav
TITLE OF INVENTION: NUCLECTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                    APPLICANT: CHAMPION, BRIAN R. APPLICANT: YOUNG, LESLEY L. APPLICANT: MCKENZIE, GRAHAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: GI Number: 6642645; NR Description: putative RING zinc finger OTHER INFORMATION: protein [Arabidopsis thaliana] >gi|15231414|ref|NP_187376.1|: OTHER INFORMATION: finger (C3HC4-type RING finger) family protein [Arabidopsis]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION:
OTHER INFORMATION: GI Number: 21537318; NR Description: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: GI Number: 41617082; NR Description: TPA: HDC06237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: GI Number: 61097975; NR Description: similar to RING finger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature LOCATION:
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OTHER INFORMATION: PFam
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SEQ ID NOS: 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 49; DB 7;
Pred. No. 2.1e+02;
2; Mismatches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 50747306; NR Description: PREDICTED: similar
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RESULT 73
US-11-174-307B-1388
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-178-724-22
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                                                                                                                                                                                                                                                                                                                                                               Publication No. US20
GENERAL INFORMATION:
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Best Local Similarity 25.6
Matches 11; Conservative
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SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1388, Application US/11174307B Publication No. US20060143729A1
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NUMBER OF SEQ ID NOS: 5544
SEQ ID NO 1388
                                        PRIOR APPLICATION NUMBER: 60/583,671
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR FILING DATE: 2004-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: PCT/GB03/03874
PRIOR FILING DATE: 2003-09-05
PRIOR APPLICATION NUMBER: GB 0220658.9
PRIOR FILING DATE: 2002-09-05
NUMBER OF SEQ ID NOS: 27
                                                                                                                                                                                                                                       APPLICANT: BROVER, Vyacheslav
TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
FILE REFERENCE: 2750-1601PUS2
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CURRENT APPLICATION NUMBER: US/11/071,796A
CURRENT FILING DATE: 2005-03-03
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                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: HOYNE, GERARD FRANCIS
APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
TITLE OF INVENTION: IMMUNOTHERAPY USING MODULATORS OF NOTCH SIGNALLING
                                                                                                                                                                                                                                                                                                               APPLICANT: ALEXANDROV, Nickolai APPLICANT: BROVER, Vyacheslav
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 1238
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17.3%;
Local Similarity 25.6%;
es 11; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        169 AGMINPEDRWKSLHFSGHVAHLELQIRVRCDENYYSATCNKFC 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 AGOCSQNEYFDSL-----LHACIPCQLRCSSNTPPLTCQRYC 41
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOLARI, ROBERTO CELESTE DALLMAN, MARGARET JANE LAMB, JONATHAN ROBERT
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Pred. No. 2.3e+02;
8; Mismatches 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 49; DB 7;
Pred. No. 2.3e+02;
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PRIOR APPLICATION NUMBER: 60/583,671
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR FILING DATE: 2004-06-30
NUMBER OF SEQ ID NOS: 5544
SEQ ID NO 4180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: BROVER, Vyacheslav
TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
FILE REFERENCE: 2750-1601PUS2
CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
CURRENT FILING DATE: 2005-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: ALEXANDROV, Nickolai
                                                                                                                                                        OTHER INFORMATION: GI Number: 53749178; NR Description: At5g14200 [Arabidopsis OTHER INFORMATION: thaliana] 931 |9757801 | db | BAB08299.1 | 3-1sopropylmalate OTHER INFORMATION: dbhydrogenase [Arabidopsis thaliana] OTHER INFORMATION: 931 |21759264 | sp | Q9FMT1 | LE33_ARATH 3-1sopropylmalate dehydrogenase | Arabidopsis thaliana |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION:
OTHER INFORMATION: GI Number: 17827; NR Description: 3-isopropylmalate
OTHER INFORMATION: dehydrogenase [Brassica napus] >gi|81676|pir||820510
OTHER INFORMATION: 3-isopropylmalate dehydrogenase (EC 1.1.1.85) precurs
                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: GI Number:
                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                 LOCATION:
OTHER INFORMATION: GI Number:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature
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OTHER INFORMATION: PFam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: GI Number: 15221631; NR Description: 3-isopropylmalate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OCATION:
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                                                           12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               409
                                                                                Similarity
QCSQNEYFDSL-LHACIPCQLRCSS 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTTCTCTCTCTCTCTTTCTATCT 167
                                                           Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17.3%;
34.6%;
                                                                              17.1%;
48.0%;
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                                                           اد
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Pred. No.
                                                                              Score 48.5;
Pred. No. 89,
                                                                                                                                                                                                                                                                                                     18377879;
                                                                                                                                                                                                                                                                                                                                                                                    21592944;
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                                                             Mismatches
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                                                                                                                                                                                                                                                                                                     NR Description: AT5g14200/MUA22_20
                                                                                                                                                                                                                                                                                                                                                                                    NR Description: 3-methyladenine DNA
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                                                                                                 Length 409;
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                                                                                                                                                          3-isopropylmalate dehydrogenase
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; LENGTH: 58
; TYPE: PRT
; ORGANISM: Homo s
US-11-253-176-56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-11-287-121A-19
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                                                                                                                                                                                                                                                     PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 08/849,406
PRIOR APPLICATION NUMBER: PCT/US95/16349
PRIOR FILING DATE: 1999-07-21
PRIOR FILING DATE: 1995-12-15
PRIOR APPLICATION NUMBER: US 08/358,160
PRIOR FILING DATE: 1994-12-16
PRIOR APPLICATION NUMBER: US 08/133,031
                                                                                                                                                                    NUMBER OF SEQ ID NOS: 173
SOFTWARE: PatentIn version 3.1
SEQ ID NO 56
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LENGTH: 58
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Query Match 17.0
Best Local Similarity 30.0
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 56, Application US/11253176 Publication No. US20060134087A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: LEY, Arthur C.
APPLICANT: GUTERMAN, Sonia K.
APPLICANT: MARKLAND, William
APPLICANT: KENT, Rachel B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/11/287,121A CURRENT FILING DATE: 2005-11-22 PRIOR APPLICATION NUMBER: US 60/630,226 PRIOR FILING DATE: 2004-11-22 NUMBER OF SEQ ID NOS: 24 SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Devy, Laetitia
APPLICANT: Ley, Arthur C.
APPLICANT: Ledyner, Robert C.
TITLE OF INVENTION: PLASMIN-INHIBITORY THERAPIES
FILE REFERENCE: 10280-122001
                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/11/253,176
CURRENT FILING DATE: 2005-10-18
PRIOR APPLICATION NUMBER: 10/038,722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: ROBERTS, Bruce L.
APPLICANT: LADNER, ROBERT C.
TITLE OF INVENTION: ITI-DI KUNITZ DOMAIN MUTANTS AS HNE INHIBITORS
FILE REFERENCE: D0617.7005US03
                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US PRIOR FILING DATE: 1992-02-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GOCSONE --- YEDSLIHACIPCOLR-CSSNTPPLTCORYC 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QCKLARPFDSLPVRRSIPLSLRCSA 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ilarity 30.0%;
Conservative
                 17.0%;
30.0%;
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Score 48; DB Pred. No. 15; 7; Mismatches
  7;
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Pred. No.
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                                          DB 7;
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  17; Indels
                                        Length 58;
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  4.
  Gaps
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RESULT 79
US-10-449-902-43991
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                                                                GENERAL INFORMATION:

APPLICANT: National Institute of Agrobiological Sciences.

APPLICANT: Bio-oriented Technology Research Advancement

APPLICANT: The Institute of Physical and Chemical Resear

APPLICANT: Foundation for Advancement of International S
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SOFTWARE: PatentIn version 3.3
SEQ ID NO 3385
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CURRENT FILING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
SOFTWARE: PATENTIN VERSION 3.3
SEQ ID NO 3386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 3385, Application US/10953349
Publication No. US20060107345A1
GENERAL INFORMATION:
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Publication No. US20060107345A1

GENERAL INFORMATION:

APPLICANT: ALEXANDROV, Nickolai et al.

TITLE OF INVENTION: SEQUENCE-DETERNINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES

TITLE OF INVENTION: ENCONDED THERBY

FILE REFERENCE: 2750-1579PUS2
                                                                                                                                                                         Sequence 43991, Application US/10449902
Publication No. US20060123505A1
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Best Local :
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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT APPLICATION NUMBER: US/10/953,349
CURRENT FILING DATE: 2004-09-30
CURRENT APPLICATION NUMBER: US/10/449,902
                  APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Arabidopsis thaliana
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                                                                                                                                                                                                                                                                                                             SSLSSILSAKLRKCCKSPSPSLTCLRLDTAS 70
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ilarity 41.9%;
Conservative
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41.9%;
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Pred. No.
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Pred. No. 37;
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  CURRENT FILING DATE:
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; ORGANISM: Arabidopsis thaliana US-10-953-349-3384
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                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn version 3.3
SEQ ID NO 3384
LENCTH: 199
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTMARE: Patentin Ver. 2.1
SEQ ID NO 43991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3384, Application US/10953349 Publication No. US20060107345A1
                                                                                                                                                                                                                                                                                                               Sequence 1, Application US/11337518
Publication No. US20060128947A1
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
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TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
TITLE OF INVENTION: ENCONDED THERBY
FILE REFERENCE: 2750-1579PUS2
CURRENT FAPLICATION NUMBER: US/10/953,349
CURRENT FILLING DATE: 2004-09-30
NUMBER OF SEQ ID NOS: 40252
APPLICANT: Johnson, Gary V.
TITLE OF INVENTION: Formulation, Solubili:
TITLE OF INVENTION: Pathway Inhibitor
FILE REFERENCE: 012441.00013
CURRENT APPLICATION NUMBER: US/11/337,518
                                                                                        APPLICANT:
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                                                                                                                                             APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  госат
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                                                                               Madani, Hassan
Tsang, Michael
Gustafson, Mark E.
Bild, Gary S.
                                                                                                                                                                                                                                                                               Dorin,
                                                                                                                                                                                                            Halenbeck, Rol
Johnson, Kirk
                                                                                                                                                                                                                                                Pattison, Gregory
                                                                                                                                                           Bana, Raisharan K.
Hora, Maninder S.
                                                                                                                                                                                               Chen,
                                                                                                                                                                                                                                                               Arve, Bo H.
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ilarity 29.8%;
Conservative
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                                                                                                                                                                                                                                                                                 Glenn J.
                                                                                                                                                                                               Bao-lu
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41.9%;
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                                                                                                                                                                                                                                Robert
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Pred. No. 50;
                                                      Solubilization,
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                                                        Purification,
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APPLICATION NUMBER: US/09/996,588 FILING DATE: 2001-11-30

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                                                                                                                                                                                                                                          US-10-449-902-29741
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LENGTH: 304
TYPE: PRT
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Matches
                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                             Sequence 29741, Application US/10449902 Publication No. US20060123505A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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LENGTH: 2
APPLICANT: Bio-oriented Technology Research Advancement Institut APPLICANT: The Institute of Physical and Chemical Research. APPLICANT: Foundation for Advancement of International Science. TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF EILE REFERENCE: MOA-A0205Y1-US CURRENT APPLICATION NUMBER: US/10/449,902 CURRENT FILING DATE: 2003-05-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 10280-122001
CURRENT APPLICATION NUMBER: US/11/287,121A
CURRENT FILING DATE: 2005-11-22
PRIOR APPLICATION NUMBER: US 60/630,226
PRIOR FILING DATE: 2004-11-22
NUMBER OF SEQ ID NOS: 24
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APPLICANT: Ley, Arthur C.
APPLICANT: Ladner, Robert C.
TITLE OF INVENTION: PLASMIN-INHIBITORY THERAPIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 1996-06-07
PRIOR APPLICATION NUMBER: US 09/973,211
PRIOR FILING DATE: 1999-06-11
PRIOR APPLICATION NUMBER: US 09/443,099
PRIOR FILING DATE: 1999-11-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/473,668 FILING DATE: 1995-06-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/477,677 FILING DATE: 1995-06-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: PCT/US96/09980
                                                                                                                                                                                                                                                                                                                             224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 GOCSONE---YFDSLLHACIPCQLR-CSSNTPPLTCQRYC 41
                                                                                                                                                                                                                                                                                                                        GLCRANENRFYYNSVIGKCRPFKYSGCGGNENNFTSKQEC 263
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30.0%;
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US-10-449-902-35921
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US-10-449-902-29741
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                                                                                                                                                                                                                        Sequence 37039, Application US/10449902
Publication No. US20060123505A1
GENERAL INFORMATION:
APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Touriented Technology Research Advancement of International Science.
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NUMBER OF SEQ ID NOS: 56791
SOFTWARE: PATENTIN VEr. 2.1
SEQ ID NO 29741
LENGTH: 343
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SEQ ID NO 35921
LENGTH: 354
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Best Local Similarity
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                CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
PRIOR FILING DATE: 2002-12-11
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CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
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PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
                                                                                                                                                                        TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF FILE REFERENCE: MOA-A0205Y1-US
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PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            236 CAPCTLALCCHNKPNPTTLTPPSPACPFCRGSISRLV 272
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 MAGQCSQNEYFDSLLHACIPCQ--LRCSSNTPPLTCQRYCNASVTNSVK 50
SEQ ID NOS: 56791
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Pred. No. 86;
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RESULT 86
US-11-293-697-2797
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                                                                                     ; ORGANISM: Oryza sativa
US-10-449-902-35730
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-2797
                                                                                                                                                                      PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 35730
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 35730, Application US/10449902 Publication No. US20060123505A1 GENERAL INFORMATION:
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CURRENT FILING DATE: 2005-12-05
PRIOR APPLICATION UNMBER: US/10/108,260
PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2797, Application US/11293697
Publication No. US20066105376A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NOVel full length cDNA
FILE REFERENCE: H1-A0106
    Matches
                           Query Match
Best Local
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SEQ ID NO 37039
LENGTH: 386
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Best Local Similarity 33.3%;
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
                                                                                                                                  LENGTH: 405
TYPE: PRT
                      Watch 17.0%; Local Similarity 26.5%;
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  Conservative
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Score 48; DB 6;
Pred. No. 1e+02;
6; Mismatches 2
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Pred. No. 98;
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Pred. No.
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                                          Length 405;
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US-10-449-902-56162
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US-10-449-902-36732
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Publication No. US20060123505A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                       PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 36732
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NUMBER OF SEQ ID NOS: 56791
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 56162
LENGTH: 405
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                                                        Matches
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Best Local
                                                                                                Query Match
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
APPLICANT: FOUNDATION: FULL-LENGTH PLANT cDNA AND USES THEREOF FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: JP 2002-203269
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APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
ITILE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR PILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
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  21 CIPCQLR-CSSN-----TPPLTCQRYCNASVINSV 49
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Similarity 26.5%;
13; Conservative
                                                                             Similarity
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                                                     Conservative
                                                                           17.0%;
                                                Score 48; DB 6;
Pred. No. 1.1e+02
3; Mismatches 1
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Pred. No. 1e+02;
6; Mismatches 24; Indels
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343 CAPCTLALCCHNKPNPTTLTPPSPACPFCRGSISRLV 379

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RESULT 92
US-10-515-429-43
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US-10-449-902-55688
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US-10-449-902-38759
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PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 55688
Sequence 43, Application US/10515429 Publication No. US20060105387A1
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Publication No. US20060123505A1
GENERAL INFORMATION:
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Matches 12; Conserv
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SEQ ID NO 38759
LENCTH: 450
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APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
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PRIOR ETLING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
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APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
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APPLICANT: Bio-oriented Technology Research Advancement
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                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 450
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nes 12; Conserv
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ilarity 32.4%;
Conservative
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32.4%;
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                                                                                                                                                                                                                                                                   Score 48;
Pred. No.
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                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                        1.1e+02;
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CURRENT APPLICATION NUMBER: US/10/515,429
CURRENT FILING DATE: 2004-11-23
PRIOR APPLICATION NUMBER: PCT/US03/26779
PRIOR APPLICATION NUMBER: PCT/US03/26779
PRIOR APPLICATION NUMBER: US 60/406,977
PRIOR APPLICATION NUMBER: US 10/384,060
PRIOR PILING DATE: 2002-08-30
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: US 10/384,060
PRIOR APPLICATION NUMBER: US 10/384,060
PRIOR APPLICATION NUMBER: US 60/485,404
PRIOR APPLICATION NUMBER: US 60/485,404
PRIOR APPLICATION NUMBER: US 60/485,404
PRIOR PILING DATE: 2003-07-09
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 43
                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR PELICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTMARE: PATENTIN VET. 2.1
SEQ ID NO 47388
LENGTH: 775
RESULT 94
US-11-221-332-86
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; ORGANISM: Gallus gallus
US-10-515-429-43
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Best Local Similarity 31.0%;
Matches 13; Conservative
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Publication No. US20060123505A1
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Best Local
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APPLICANT: Prior, Christopher P.
APPLICANT: Turner, Andrew J.
APPLICANT: Sadeghi, Homayoun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A0205Y1-US
FULL REPERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
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APPLICANT: Sadeghi, Homayoun
TITLE OF INVENTION: Transferrin Fusion Protein Libraries
FILE REFERENCE: 054710-5007-WO
                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
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                                                                                                                516 MVHLLGACP--EYGCLVYEYMPNGSLEDRLFCRSGTPPLPWQ 555
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                                                                                                                                                                      1 MLQMAGQCSQNEY----FDSLLHACIPCQLRCSSNTPPLTCQ 38
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Pred. No. 1.9e+02;
8; Mismatches 15;
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; Sequence 86, Application US/11221332 ; Publication No. US20060121498A1

GENERAL INFORMATION:

APPLICANT: EiRx Therapeutics

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-221-332-86
                                                                                                                                                                                                                                                                                                            US-11-289-102-377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; LENGTH: 969
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-505-928-94
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                                                                                                                                                                                                                                                                     Sequence 377, Appublication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn 3.2 SEQ ID NO 94
SEQ ID NO 377
                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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Best Local Similarity
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PRIOR APPLICATION NUMBER: PCT/GB2004/00957
PRIOR FILING DATE: 2004-03-05
PRIOR APPLICATION NUMBER: GB0305267.7
PRIOR FILING DATE: 2003-05-07
NUMBER OF SEQ ID NOS: 298
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Ludwig Institute for Cancer Research et al.
TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 28967/39178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07
                                                    CURRENT APPLICATION NUMBER: US/11/289,102
CURRENT FILING DATE: 2005-11-29
PRIOR APPLICATION NUMBER: US 60/631,993
PRIOR FILING DATE: 2004-11-30
                                                                                                                                 APPLICANT: Lee, Hyerim
APPLICANT: Shaw, Peter M.
APPLICANT: Clark, Edwin
TITLE OF INVENTION: BIOMARKERS AND METHODS FOR DETERMINING SENSITIVITY
TITLE OF INVENTION: MICROTUBULE-STABILIZING AGENTS
FILE REFERENCE: 10338 NP
                NUMBER OF SEQ ID NOS: 395
SOFTWARE: PatentIn version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/11/221,332
CURRENT FILING DATE: 2005-09-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Enzymes invovled in apoptosis FILE REFERENCE: 8912/2042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 866
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8; Conserv
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                                                                                                                                                                                                                                                                                       Application US/11289102
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37.0%;
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Pred. No. 2.4e
1; Mismatches
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                                                                                                                                                                          US-11-174-307B-1760
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                                                                           Best Loc
Matches
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TITLE OF INVENTION: UNCLECTIOE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: UNCLECTIOE SEQUENCES AND POLYPEPTIDES
FILE REFERENCE: 2750-1601PUS2
CURRENT FILING DATE: 2005-06-30
PRIOR APPLICATION NUMBER: 60/583,671
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR PRILING DATE: 2004-06-30
PRIOR DATE: 2004-06-30
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Best Local
                                                                                                                     Query Match
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APPLICANT: BROVER, Vyacheslav
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Arabidopsis thaliana
FEATURE:
NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION:
OTHER INFORMATION: GI Number: 57870649; NR Description: Transmembrane protein
OTHER INFORMATION: induced by tumor necrosis factor alpha [Rattus norvegicus]
OTHER INFORMATION: gi|58219512|ref|NP_001010945.1| transmembrane protein induced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
LOCATION:
OTHER INFORMATION: GI Number: 50758114; NR Description: PREDICTED:
OTHER INFORMATION: transmembrane protein induced by tumor necrosis
                                                                                                                                                                                              OTHER INFORMATION: GI Number: 58701915; NR Description: Unknown
                                                                                                                                                                                                                                      PEATURE:
NAME/KEY: misc_feature
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OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PEATURE: misc_feature
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OTHER INFORMATION: PFam
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21 CIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
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                                                                        Similarity 9; Conserv
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                                                                           Conservative
                                                                                                                                                                                                                                                                                      GI Number: 29789387; NR Description: transmembrane protein induced by tumor necrosis factor alpha [Mus musculus] >gi|28436931|gb|AAH46757.1| Transmembrane protein induced
                                                                                          17.0%;
29.0%;
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Pred. No. 2.
                                                                      Score 48; DB 7;
Pred. No. 3.2e+02;
2; Mismatches 20
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2.9e+02;
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RESULT 99
US-11-174-307B-2656
; Sequence 2656, Application US/11174307B
; Publication No. US20060143729A1
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US-11-174-307B-2708
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SEQ ID NO 2708
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PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,781
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR FILING DATE: 2004-06-30
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CURRENT FILING DATE: 2005-06-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: ALEXANDROV, Nickolai APPLICANT: BROVER, Vyacheslav
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 2750-1601PUS2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: GI Number: 20259533; NR Description: putative carbonic OTHER INFORMATION: anhydrase, chloroplast precursor [Arabidopsis thaliana] OTHER INFORMATION: >gi|30678347|ref|NP_850490.1| carbonic anhydrase 1, chloroplast procured to the control of the carbonic annydrase 1, chloroplast procured to the carbonic annydrase 2, chloroplast procured to the carbonic annother 2, chloroplast procured to th
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: GI Number: 23397049; NR Description: putative car)
OTHER INFORMATION: anhydrase [Arabidopsis thaliana] sgi|23397027|gb|;
OTHER INFORMATION: putative carbonic anhydrase [Arabidopsis thaliana]
OTHER INFORMATION: sgi|12642852|gb|AAK00368.1| putative carbonic anh
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OTHER INFORMATION: PFam
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
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29.0%;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    45451864; NR Description: chloroplast carbonic
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US-11-174-307B-2652
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Best Local
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SEQ ID NO 2656
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APPLICANT: ALEXANDROV, Nickolai
APPLICANT: BROVER, Vyacheslav
TITLE OF INVENTION: NUCLEDTIDE SEQUENCES AND POLYPEPTIDES
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERI
FILE REFERENCE: 2750-1601PUS2
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                                                                                                                                                                                                              OTHER INFORMATION: GI Number: 50932775; NR Description: putative beta-ketoacyl OTHER INFORMATION: synthase [Oryza sativa (japonica cultivar-group)]
OTHER INFORMATION: >gi|50080251|gb|AAT69586.1| putative beta-ketoacyl synthase
                                                                                                                                                                                                                                                                                                                                LOCATION: OI Number: 23297625; NR Description: beta-ketoacyl-CoA OTHER INFORMATION: Synthase [Arabidopsis thaliana] -yi||10177945|dbj|BAB11304.1||OTHER INFORMATION: synthase [Arabidopsis thaliana] OTHER INFORMATION: beta-ketoacyl-CoA synthase [Arabidopsis thaliana] OTHER INFORMATION: -yi||15983491|gb||AAL11613.1|| AT5g43760/MQD19_11 [Arabidopsis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: GI Number: 3142289; NR Description: Strong similarity to OTHER INFORMATION: beta-keto-Coa synthase gbU37088 from Simmondsia chinensis OTHER INFORMATION: [Arabidopsis thaliana] gi | 7488037 | pir | | T00951 probable
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: GI Number: 50920373; NR Description: Putative fiddlehead-like OTHER INFORMATION: protein [Oryza sativa (japonica cultivar-group)] OTHER INFORMATION: >gi|24960748|gb|AAN65442.1| Putative fiddlehead-like protein
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NAME/KEY: misc_feature
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                                           ACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
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ACGTCTTCCCAATATATCCTCCGACCTTTCCG 192
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                                                                                                                  17.0%;
34.4%;
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Pred. No. 3.8e
2; Mismatches
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PRIOR APPLICATION NUMBER: 60/583,671
PRIOR FILING DATE: 2004-06-30
PRIOR FILING DATE: 2004-06-30
PRIOR PRIOR APPLICATION NUMBER: 60/583,651
PRIOR APPLICATION NUMBER: 60/583,651
PRIOR FILING DATE: 2004-06-30
NUMBER OF SEQ ID NOS: 5544
SEQ ID NO 2652
LENGTH: 1587
TYPE: PRT
TYPE: PRT
TYPE: PRT
ORGANISM: Arabidopsis thaliana
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                                                                                                                             Query Match
Best Local (
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TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY
TITLE OF INVENTION: USEFUL FOR MODIFYING PLANT CHARACTERISTICS
FILE REFERENCE: 2750-1601PUS2
CURRENT APPLICATION NUMBER: US/11/174,307B
CURRENT FILING DATE: 2005-06-30
CURRENT FILING DATE: 2005-06-30
CURRENT FILING DATE: 2005-06-30
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                                                                                                                                                                                                                             OTHER INFORMATION: GI Number: 50932775; NR Description: putative beta-ketoacyl OTHER INFORMATION: synthase [Oryza sativa (japonica cultivar-group)] OTHER INFORMATION: >gi|50080251|gb|AAN69586.1| putative beta-ketoacyl synthase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION:
OTHER INFORMATION: GI Number: 50920373; NR Description: Putative fiddlehead-like
OTHER INFORMATION: protein [Oryza sativa (japonica cultivar-group)]
OTHER INFORMATION: >gi|24960748|gb|AAN65442.1| Putative fiddlehead-like protein [Ory
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NAME/KEY: misc_feature
LOCATION:
OTHER INFORMATION: PFam
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426
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                                                                                                     l Similarity 32.4
11; Conservative
ACCTCAAAGCCTTGTTCTTCTACCGATGTTTAGG
                                                    ACIPCOLR -- CSSNTPPLTCQRYCNASVTNSVKG 51
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Pred. No. 3.9e-
4; Mismatches
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                                                                                                  1.9e+02;
nes 17;
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Search completed: July 10, 2006, 16:43:10 Job time : 13.8 secs

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Result
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Maximum Match
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Maximum DB
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Perfect score:
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Match
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Gapop 10.0 ,
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283
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1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*

5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_PUBCOMB.pep:*
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Copyright (c) 1993 - 2006 Biocceleration Ltd.
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Sequence 302621, Sequence 26, Appl	Sequence 87, Appl Sequence 2, Appli Sequence 273823,	Sequence 24, Appl Sequence 87, Appl	Sequence 24, Appl	Sequence 24, Appl	Sequence 24, Appl	Sequence 62745, Ap	Sequence 3075, Ap	Sequence 4, Appli Sequence 4, Appli	Sequence 4, Appli	Sequence 669, App	Sequence 1, Appli Sequence 1, Appli	Sequence 1, Appli Sequence 1, Appli	Sequence 123, App	Sequence 16, Appl Sequence 2, Appli	Sequence 2, Appli	Sequence 218522,	Sequence 63, Appl	Sequence 62, Appl Sequence 191216,	Sequence 31134, A Sequence 276838,	Sequence 53132, A Sequence 2329, Ap	Sequence 421, App Sequence 158344,	Sequence 421, App Sequence 421, App												5986	197	36,	sequence 89, Appl Sequence 64, Appl
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RESULT 2
US-10-077-438-7
'; Sequence 7, Application US/10077438
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US-10-077-438-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Immunoregulatory Agent FILE REFERENCE: A080PCT
CURRENT APPLICATION NUMBER: US/10/077,438
CURRENT FILING DATE: 2002-02-18
PRIOR APPLICATION NUMBER: 60/149,378
PRIOR FILING DATE: 1999-08-17
PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/183,536
PRIOR APPLICATION NUMBER: 60/183,536
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Best Local Similarity
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APPLICANT: Thompson, Jeffrey
APPLICANT: Biogen, Inc.
APPLICANT: Apotech R&D S.A.
TITLE OF INVENTION: Baff Receptor (BCMA), An
TITLE OF INVENTION: Immunoregulatory Agent
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APPLICANT: Browning, Jeffrey
APPLICANT: Ambrose, Christine
APPLICANT: Tschopp, Jurg
                                                                                                                                                                              1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
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US-10-437-963-152280
US-10-767-701-55749
US-10-425-15-26506
US-10-425-15-26506
US-09-950-933A-66
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APPLICANT: Schneider, Pascal
APPLICANT: Schneider, Pascal
APPLICANT: Blogen, Inc.
APPLICANT: Blogen, Inc.
APPLICANT: Blogen, Inc.
APPLICANT: Blogen, Inc.
APPLICANT: Apotech R&D S.A.
TITLE OF INVENTION: Baff Receptor (BCMA), An
ITILE OF INVENTION: Immunoregulatory Agent
FILE REFERENCE: A080PCT
CURRENT APPLICATION NUMBER: US/10/077,438
CURRENT FILING DATE: 2002-02-18
PRIOR APPLICATION NUMBER: 60/149,378
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR APPLICATION NUMBER: 60/183,536
PRIOR APPLICATION NUMBER: 60/183,536
PRIOR APPLICATION NUMBER: 60/183,536
PRIOR APPLICATION NUMBER: 60/183,536
PRIOR FILING DATE: 2000-02-18
NUMBER OF ESQ ID NOS: 8
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7
LENGTH: 184
                                                                                                                                                                                                                                                                      APPLICANT: Browning, Jeffrey
APPLICANT: Ambrose, Christine
APPLICANT: Ambrose, Christine
APPLICANT: Tschopp, Jurg
APPLICANT: Schneider, Pascal
APPLICANT: Schneider, Pascal
APPLICANT: Biogen, Inc.
APPLICANT: Biogen, Inc.
APPLICANT: Apotech R&D S.A.
TITLE OF INVENTION: Baff Receptor (BCMA), An
TITLE OF INVENTION: Immunoregulatory Agent
FILE REFERENCE: A080CT
CURRENT APPLICATION NUMBER: US/10/077,137
CURRENT FILING DATE: 2001-02-15
PRIOR APPLICATION NUMBER: 60/149,378
PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/181,536
PRIOR FILING DATE: 2000-02-18
                                                                                                                   ; TYPE: PRT; ORGANISM: homo sapien US-10-077-137-1
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US-10-077-137-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 1, Application US/10077137; Publication No. US20020172674A1; GENERAL INFORMATION:
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        Query Match 100.0%; Score 283; DB 4; Best Local Similarity 100.0%; Pred. No. 2.5e-25; Matches 51; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                              SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                       SOFTWARE: FastSEQ for Windows Version 4.0
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TYPE: PRT
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Ambrose, Christine
Tschopp, Jurg
Schneider, Pascal
Thompson, Jeffrey
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RESULT 1 US-10-077-438-1

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Matches

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; ORGANISM: Homo sapiens US-10-068-725-2
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APPLICANT: Biogen, Inc.

APPLICANT: Apotech R&D S.A.

TITLE OF INVENTION: Baff Receptor (BCMA), An TITLE OF INVENTION: Immunoregulatory Agent FILE REFERENCE: A080PCT

CURRENT APPLICATION NUMBER: US/10/077,137

CURRENT FILING DATE: 2001-02-15

PRIOR APPLICATION NUMBER: 60/149,378

PRIOR FILING DATE: 1999-08-17

PRIOR FILING DATE: 2000-02-11

PRIOR APPLICATION NUMBER: 60/181,684

PRIOR FILING DATE: 2000-02-11

PRIOR APPLICATION NUMBER: 60/183,536

PRIOR FILING DATE: 2000-02-11
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2
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Publication No. US20030012783A1
GENERAL INFORMATION:
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SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 7
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Publication No. US20020172674A1
GENERAL INFORMATION:
APPLICANT: MacKay, Fabienne
APPLICANT: Browning, Jeffrey
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                    Query Match
Best Local Similarity
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APPLICANT:
APPLICANT:
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CURRENT FILING DATE: 2002-02-06
PRIOR APPLICATION NUMBER: 60/270,274
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/283,447
PRIOR FILING DATE: 2001-04-12
                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Kindsvogel, Wayne TITLE OF INVENTION: Antibodies That Bind Both BCMA and TACI FILE REFERENCE: 01-04
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TYPE: PRT
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TYPE: PRT
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Ambrose, Christine
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     Conservative
100.0%; Score 283; DB 4; 100.0%; Pred. No. 2.5e-25; tive 0; Mismatches 0;
                                               Length 184;
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; TYPE: PRT; ORGANISM: homo sapiens US-10-115-192-8
RESULT 8
US-10-008-063-7
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PRIOR FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 48
SOPTWARE: Patentin version 3.0
SEQ ID NO 47
LENGTH: 184
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Best Local Similarity
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APPLICANT: Biogen, Inc.
TITLE OF INVENTION: April Receptor (BCMA) and
FILE REFERENCE A083PCT
CURRENT APPLICATION NUMBER: US/10/115,192
CURRENT FILING DATE: 2002-04-02
                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/181807
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/157933
PRIOR FILING DATE: 1999-10-06
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CURRENT FILING DATE: 2002-05-22
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TITLE OF INVENTION: Antibodies Against Tumor Necrosis Factor Delta (APRIL)
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ORGANISM: Homo sapiens
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51; Conservative (
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vo. US20030059862A1
                                                                                                                                                                                  100.0%; Score 283; DB 4; 100.0%; Pred. No. 2.5e-25;
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100.0%; Pred. No. 2.5e-25;
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Sequence 7, Application US/10008063 Publication No. US20030092164A1 GENERAL INFORMATION:

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; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-008-063-7
                                                                                                                                                                                                                       US-10-216-074-11
, Sequence 11, Application US/10216074
; Publication No. US20030148445A1
; GENERAL INFORMATION:
; APPLICANT: Shu, Hong-Bing
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                                  CURRENT APPLICATION NUMBER: US/10/216,074
CURRENT FILING DATE: 2003-03-12
CURRENT FILING DATE: 2003-05-05
PRIOR APPLICATION NUMBER: US/09/565,423
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR FILING DATE: 2000-05-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Rixon, Mark W.
APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
                                                                                                                                                               TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES, PROTEINS, RECEPTORS AND TITLE OF INVENTION: METHODS OF USE THEREOF FILE REFERENCE: 2879-72
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PRIOR APPLICATION NUMBER: 60/132,892
PRIOR FILING DATE: 1999-05-06
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ORGANISM: Homo sapiens
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Conservative (
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Pred. No. 2.5e-25;
0; Mismatches 0;
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 184
; TYPB: PRT
; ORGANISM: Homo sapiens
US-10-216-074-11
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APPLICANT: Galperina, Olga
APPLICANT: Hilbert, David
APPLICANT: Hilbert, David
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: Neutrokine-alpha Conjugate, Ne
FILE REFERENCE: 1488.1810002
CURRENT APPLICATION NUMBER: US/10/742,634
CURRENT FILING DATE: 2003-12-22
PRIOR APPLICATION NUMBER: US 60/435,262
PRIOR FILING DATE: 2002-12-23
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PRIOR FILING DATE: 2001-02-27
PRIOR APPLICATION NUMBER: US 60/281,149
PRIOR FILING DATE: 2001-04-02
PRIOR PRIOR APPLICATION NUMBER: US 60/284,555
PRIOR FILING DATE: 2001-04-17
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin Ver: 2.1
                                                                                                                                                                                                                                                                              Sequence 9, Application US/10742634
Publication No. US20040208824A1
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Best Local :
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Best Local Similarity
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TITLE OF INVENTION: No. US20030325820Alel Methods of Diagnosis of Metastatic Colorecta
TITLE OF INVENTION: Cancer, Compositions and Methods of Screening for
TITLE OF INVENTION: Modulators of Metastatic Colorectal Cancer
TITLE OF INVENTION: Modulators of Metastatic Colorectal Cancer
TITLE REFERENCE: 018501-000840US
CURRENT APPLICATION NUMBER: US/10/087,080
CURRENT FILING DATE: 2002-10-25
                                                                                                                                                                                                        APPLICANT: Parmelee, David
APPLICANT: Yeh, Ren-Hwa
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ORGANISM: Homo sapiens
FEATURE:
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Eos Biotechnology,
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100.0%; Pred. No. 2.5e-25;
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LENGTH: 184
TYPE: PRT
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Publication No. US20050070689A1
GENERAL INFORMATION:
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SEQ ID NO 6
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Publication No. US20050043516A1
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                                                         APPLICANT: Yan, Minhong
TITLE OF INVENTION: TACIS and BR3 Polypeptides and Uses Thereof
FILE REFERENCE: 11669.175USWO
CURRENT APPLICATION NUMBER: US/10/485,489
CURRENT FILING DATE: 2004-01-30
PRIOR APPLICATION NUMBER: PCT/US02/23487
PRIOR FILING DATE: 2002-07-24
PRIOR APPLICATION NUMBER: US 60/310,114
PRIOR APPLICATION NUMBER: US 60/377,171
PRIOR PILING DATE: 2002-04-30
PRIOR PILING DATE: 2002-04-30
PRIOR FILING DATE: 2002-04-30
PRIOR FILING DATE: 2002-04-30
PRIOR FILING DATE: ROSC. 10
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APPLICANT: Ridgway, John
APPLICANT: Yan. Minh
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APPLICANT: GREWAL, IQBAL
APPLICANT: KIM, KYUNG JIN
APPLICANT: YAN, MINHONG
TITLE OF INVENTION: TACI Antibodies and Uses
FILE REFERENCE: P1942R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/626,914
CURRENT FILING DATE: 2003-07-25
PRIOR APPLICATION NUMBER: US 60/398,530
PRIOR FILING DATE: 2002-07-25
                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Dixit, APPLICANT: Grewa
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PRIOR FILING DATE: 2003-05-02
NUMBER OF SEQ ID NOS: 17
                                             NUMBER OF SEQ ID NOS: 19
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TYPE: PRT
ORGANISM: Homo sapien
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LENGTH: 184
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PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR FILING DATE: 2003-06-05
NUMBER OF SEQ ID NOS: 145
SEQ ID NO 27
SEQ ID NO 27
                                   SEQ ID NO 46
LENGTH: 184
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 46, Application US/10989826
Publication No. US20050238650A1
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Best Local Similarity
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Best Local Similarity
                                                                                          CURRENT APPLICATION NUMBER: US/10/989,826
CURRENT FILING DATE: 2004-11-16
PRIOR APPLICATION NUMBER: US 60/520,842
PRIOR FILING DATE: 2003-11-17
PRIOR APPLICATION NUMBER: US 60/532,426
PRIOR FILING DATE: 2003-12-24
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APPLICANT: Qian Gong
APPLICANT: Qian Gong
APPLICANT: Flavius Martin
TITLE OF INVENTION: COMBINATION THERAPY FOR B CELL DISORDERS
TILE REFERENCE: P2040RLUS
CURRENT APPLICATION NUMBER: US/10/861,049
CURRENT FILING DATE: 2004-06-04
                                                                                                                                                                                                                     TITLE OF INVENTION: Compositions and Methods for the Treatment of TITLE OF INVENTION: Hematopoietic Origin FILE REFERENCE: P5105R1US
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PRIOR FILING DATE: 2003-06-06
PRIOR APPLICATION NUMBER: US 60/476,481
                                                                              NUMBER OF SEQ ID NOS: 75
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                 De Sauvage, Frederic J.
Eaton, Daniel L.
Ebens, Allen
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Smith, Victoria
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Pred. No. 2.5e-25;
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; SEQ ID NO 9; LENGTH: 184; TYPE: PRT; ORGANISM: Homo sapiens US-10-742-634-9
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US-10-742-634-9
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                                                                                                                                                                                                                                                                                   SEQ ID NO 8
                                Query Match 100.0%; Score 283; DB 5; Best Local Similarity 100.0%; Pred. No. 2.5e-25; Matches 51; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Parmelee, David
APPLICANT: Yeh, Ren-Hwa
APPLICANT: Galperina, Olga
APPLICANT: Hilbert, David
APPLICANT: Hilbert, David
APPLICANT: Hilbert, David
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: Neutrokine-alpha Conjugate, Neutrokine-alpha Complex, and Uses Th
FILE REFERENCE: 1488.1810002
CURRENT APPLICATION NUMBER: US/10/742,634
CURRENT APPLICATION NUMBER: US 60/435,262
PRIOR APPLICATION NUMBER: US 60/435,262
PRIOR FILING DATE: 2002-12-23
PRIOR FILING DATE: 2003-05-02
RIOR FILING DATE: 2003-05-02
NUMBER: DATE: 2003-05-02
NUMBER: DATE: 2003-05-02
NUMBER: DATE: 2013-05-02
NUMBER: OF SEQ. ID NOS: 17
SOFTWARE: PatentIn version 3.1
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                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSEQ for Windows Version
                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/967,527A
CURRENT FILING DATE: 2004-10-18
PRIOR APPLICATION NUMBER: 60/511,698
PRIOR FILING DATE: 2003-10-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Fox, Brian A.
APPLICANT: Holloway, James L.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: Ztnfr14, A Tumor Necrosis Factor
TITLE OF INVENTION: Receptor
FILE REFERENCE: 03-17
                                                                                                                                                                                    TYPE: PRT ORGANISM: homo sapiens
                                                                                                                                                                                                                                                     LENGTH: 184
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Local Similarity 100.0%;
nes 51; Conservative (
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Pred. No. 2.5e-25;
0; Mismatches 0;
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                                                                                           Length 184;
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US-10-501-841-4
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                                                                 US-11-021-874-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 283; DB 5; Best Local Similarity 100.0%; Pred. No. 2.5e-25; O; Mismatches 0;
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                                                                                                                                                                                          SEQ ID NO 27
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Publication No. US20060084055A1
Query Match
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APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
APPLICANT:
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PRIOR FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR FILING DATE: 2003-06-06
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR FILING DATE: 2003-06-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Andrew Chan
APPLICANT: Qian Gong
APPLICANT: Flavius Martin
TITLE OF INVENTION: COMBINATION THERAPY FOR B
FILE REFERENCE: P204 ORLP1
                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 165
                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/476,414 PRIOR FILING DATE: 2003-06-05
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CURRENT FILING DATE: 2004-12-22
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                                                                                        LENGTH: 184
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
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Clapper, Jonathan David
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Carter, Lauren
McNeill, Patricia Dianne
Corica Corporation
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      100.0%;
      Score 283;
      BB
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Length 184;
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Similarity

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PRIOR APPLICATION NUMBER: 60/115,068
PRIOR FILING DATE: 1999-01-07
PRIOR APPLICATION NUMBER: 60/169,890
PRIOR FILING DATE: 1999-12-09
PRIOR APPLICATION NUMBER: 09/479,856
PRIOR FILING DATE: 2000-01-07
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 8
                                                                                                                                                             LENGTH: 184
TYPE: PRT
ORGANISM: Homo sapiens
US-11-200-992-8
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US-11-200-992-8
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US-11-242-294-27
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CURRENT FILING DATE: 2005-10-03
PRIOR APPLICATION NUMBER: US/10/152,363
PRIOR FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 60/293,343
PRIOR FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
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LENGTH: 184
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                                                                  Query Match 100.0%; Score 283; DB 6; Best Local Similarity 100.0%; Pred. No. 2.5e-25; Matches 51; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Xu, wenfeng
APPLICANT: Madden, Karen
APPLICANT: Yee, David P.
TITLE OF INVENTION: SOLUBLE RECEPTOR BR43X2 AND METHODS OF USING
FILE REFERENCE: 05558.0034.CNUS01
CURRENT APPLICATION NUMBER: US/11/200,992
CURRENT FILING DATE: 2005-08-10
CURRENT FILING DATE: 2005-08-10
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APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
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1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
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hes 0;
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APPLICANT: MINHONG YAN

TITLE OF INVENTION: USES OF AGONISTS AND ANTAGONISTS TO

TITLE OF INVENTION: OF TNF-RELATED MOLECULES

FILE REFERENCE: P1805R1

CURRENT APPLICATION NUMBER: US/11/069,473

CURRENT FILING DATE: 2005-02-28

PRIOR PFLLING DATE: 2000-11-28

PRIOR FILING DATE: 2000-11-28

PRIOR APPLICATION NUMBER: US 60/182,938

PRIOR APPLICATION NUMBER: US 60/26,986

PRIOR PILING DATE: 2000-08-22

NUMBER: OS 60/226,986

PRIOR FILING DATE: 2000-08-22

NUMBER: OS 60/226,986
                                                                                                                                                          ; TYPE: PRT; ORGANISM: homo sapiens US-10-115-192-12
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NUMBER OF SEQ ID NOS: 12

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 12

LENGTH: 302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 12, Application US/10115192
Publication No. US20030082175A1
GENERAL INFORMATION:
APPLICANT: Apotech R & D S.A.
APPLICANT: Biogen, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 4
LENGTH: 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: AVI J. A
                                                                      Matches
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                                                                                           Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/115,192
CURRENT FILLING DATE: 2002-04-02
PRIOR APPLICATION NUMBER: 60/215688
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/181807
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/157933
PRIOR APPLICATION NUMBER: 60/157933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Biogen, Inc.
TITLE OF INVENTION: April Receptor (BCMA) and Uses
FILE REFERENCE: A083PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                 ch 100.0%; Score 283; DB 4; 1 Similarity 100.0%; Pred. No. 4.1e-25; 51; Conservative 0; Mismatches 0;
1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51; Conservative
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ROBERT M. PITTI
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KYUNG JIN KIM
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                                                                                                             Length 302;
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                                                                      Gaps
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MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG

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RESULT 27
US-09-855-158-6
; Sequence 6, Application US/09855158
; Publication No. US20020086018A1
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; SEQ ID NO 120
; LENGTH: 288
; TYDE: PRT
; ORGANISM: Homo sapiens
US-10-469-469-120
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US-10-469-469-120

; Sequence 120, Application US/10469469

; Publication No. US20060079493A1
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APPLICANT: YU, GANG
APPLICANT: YU, GANG
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MA'
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-06-27
NUMBER: OF SEQ ID NOS: 31
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APPLICANT: FRITZ, LA
APPLICANT: BURROWS,
                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6, Application US/09854864 Patent No. US20020081296A1
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CURRENT FILING DATE: 2003-08-27
PRIOR APPLICATION NUMBER: PCT/US02/06518
PRIOR FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: 60/272,751
PRIOR FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 330
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TITLE OF INVENTION: METHODS FOR TREATING GENETICALLY-DEFINED PROLIFERATIVE
TITLE OF INVENTION: DISORDERS WITH HSP90 INHIBITORS
FILE REFERENCE: CON-0010-USN
                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                   LENGTH: 51
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                   Local
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48; Conser
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49; Conserv
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ilarity 98.0%;
Conservative
                                                                                                                                                                                                            95.1%; Score 269; DB 3; llarity 100.0%; Pred. No. 3.2e-24; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 274; DB 5; Length 288; Pred. No. 4.5e-24; 1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                    Length 51;
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; SEQ ID NO 6; LENGTH: 51; TYPE: PRT; ORGANISM: Homo sapiens US-09-855-158-6
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                                                                                                                                    ; Sequence 5, Application US/09855158 ; Publication No. US20020086018A1 ; GENERAL INFORMATION:
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Best Local S
Matches 48
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Patent No. US20020081296A1
GENERAL INFORMATION:
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                           Matches
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: 3, AND TACI
TITLE OF INVENTION: 3, AND TACI
TITLE REPERENCE: A-686A
CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/214,039
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR APPLICATION STEEL 2000-05-12
NUMBER OF SEQ ID NOS: 30
NUMBER OF SEQ ID NOS: 30
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APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
CURRENT APPLICATION NUMBER: US/09/855,158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION UNMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 60/204,039 PRIOR FILING DATE: 2000-05-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 181
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                                                                                                                                                                                                                                                                                                                                                                                        95.1%; Score 269; DB 3; 1 100.0%; Pred. No. 1.1e-23; tive 0; Mismatches 0;
                                                                        OF MATTER CONCERNING APRIL/G70, BCMA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OF MATTER CONCERNING APRIL/G70, BCMA
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RESULT 31
US-09-855-158-9
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                                                                                                                                                                                                                                                                         Sequence 9, Application US/09855158
Publication No. US20020086018A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local
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SEQ ID NO 5
LENGTH: 181
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                                  APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, BL
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-12
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PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
FILE REFERENCE: A-686B
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PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
SOFTWARE: PatentIn version 3.1
                        NUMBER OF SEQ ID NOS: 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          95.1%; Score 269; DB 3; 100.0%; Pred. No. 1.7e-23;
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                                                                                 Sequence 3, Application US/10077137
Publication No. US20020172674A1
GENERAL INFORMATION:
APPLICANT: MacKay, Fabienne
APPLICANT: Browning, Jeffrey
APPLICANT: Ambrose, Christine
APPLICANT: Tschopp, Jurg
                                        APPLICANT:
APPLICANT:
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US-10-077-137-3
                 RESULT 33
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                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/183,536
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 3
LENGTH: 207
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Best Local Similarity
Matches 48; Conser
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LENGTH: 283
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/077,438
CURRENT FILING DATE: 2002-02-18
PRIOR APPLICATION NUMBER: 60/149,378
PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR FILING DATE: 2000-02-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Biogen, Inc.
APPLICANT: Apotech RkD S.A.
TITLE OF INVENTION: Baff Receptor (BCMA),
TITLE OF INVENTION: Immunoregulatory Age:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                          Local Similarity
                                                                       99
                                                                                                                                             39 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCLHACIPCQLRCSSNTPPLTCQRY
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                                                                                                        CNASVINSVKG 51
                                                                       CNASVINSVKG 109
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Ambrose, Christine
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Thompson, Jeffrey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Immunoregulatory Agent
                                                                                                                                                                                                                                        92.9%;
71.8%;
                                                                                                                                                                                                                                        Score 263; DB 4;
Pred. No. 6.5e-23;
                                                                                                                                                                                                                       0,
                                                                                                                                                                                                                       Mismatches
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                                                                                                                                                                                                                                                        Length 207;
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                                                                                                                                               98
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Biogen, Inc. Apotech R&D S.A. Schneider, Pascal Thompson, Jeffrey

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RESULT 35
US-09-855-158-21
US-09-855-158-21
; Sequence 21, Application US/09855158
; Publication No. US20020086018A1
; Publication No. US20020086018A1
; GENERAL INFORMATION:
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; TYPE: PRT
; ORGANISM: homo sapien
US-10-077-137-3
                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-864-21
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 21
LENGTH: 58
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                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                Query Match
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-680B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-27
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CURRENT FILING DATE: 2001-02-15
PRIOR APPLICATION NUMBER: 60/149,378
PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/181,684
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/183,536
PRIOR FILING DATE: 2000-02-18
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
                     APPLICANT: THEILL, L
APPLICANT: YU, GANG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 8 SOFTWARE: FastSEQ for Windows Version
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                                                                                                                                                                                                                                                                                          44; Conservative
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                                        LARS EYDE
                                                                                                                                                                                                                                                                                                         88.0%;
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71.8%;
                                                                                                                                                                                                                                                                                   Score 249; DB 3;
; Pred. No. 8.2e-22;
0; Mismatches 0;
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Sequence 9, Application US/10967527A

Publication No. US20050256041A1

GENERAL INFORMATION:
APPLICANT: Fox, Brian A.
APPLICANT: Holloway, James L.
APPLICANT: Holloway, James L.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: Receptor
TITLE OF INVENTION: Receptor
TITLE OF INVENTION NUMBER: US/10/967,527A
CURRENT APPLICATION NUMBER: 03-17
CURRENT FILING DATE: 2004-10-18
PRIOR APPLICATION NUMBER: 60/511,698
PRIOR APPLICATION DATE: 2003-10-16
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)...(40)
; OTHER INFORMATION: cysteine rich
US-10-967-527A-9
                                                                                                                                                                                                                            RESULT 37
US-09-854-864-7
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US-10-967-527A-9
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LENGTH: 58
TYPE: PRT
ORGANISM: Homo sapiens
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Patent No. US20020081296A1
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Best Local
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APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
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PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
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FILE REFERENCE: A-686A
CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT FILING DATE: 2001-09-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.1
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TYPE: PRT
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Local Similarity 100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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100.0%; Pred. No. 9.9e-20;
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                                                                                                                                                                                                                                                                                                                                                                                                        0,
                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                          OF MATTER CONCERNING APRIL/G70, BCMA
                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 40;
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PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 34
TYPE: PRT
ORGANISM: Homo sapiens
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US-09-855-158-7
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Best Local Similarity 100.0%;
Marches 34; Conservative
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
TITLE OF INVENTION: BLYS/AGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn version 3.1 SEQ ID NO 7
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Matches 34; Conserv
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
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TYPE: PRT
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US-09-855-158-13
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                                                              US-09-854-864-11
                                                                                                  SOFTWARE: PatentIn version 3.1
SEQ ID NO 11
LENGTH: 185
TYPE: PRT
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Patent No. US20020081296A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 34; Conservative
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SEQ ID NO 13
LENGTH: 81
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Best Local Similarity
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Best Local Similarity
                     Query Match
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CUCRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-12
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR PILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
NUMBER OF SEQ ID NOS: 30
                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
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TYPE: PRT
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                                                                               ORGANISM: Murine
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  64.0%;
70.8%;
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  Score 181;
Pred. No.
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  2.7e-13;
                   Length 185;
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RESULT 42
US-09-855-158-11
; Sequence 11, Application US/09855158
; Publication No. US20020086018A1
; Publication No. US20020086018A1
Вb
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; ORGANISM: Murine
US-09-855-158-11
                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Mus musculus
US-10-216-074-17
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US-10-216-074-17
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CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Shu, Hong-Bing
TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES, PROTEINS, RECEPTORS AND
TITLE OF INVENTION: METHODS OF USE THEREOF
FILE REFERENCE: 2879-72
CURRENT APPLICATION NUMBER: US/10/216,074
CURRENT FILING DATE: 2003-03-12
PRIOR APPLICATION NUMBER: US/09/565,423
PRIOR APPLICATION NUMBER: US/09/565,423
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR FILING DATE: 2000-05-05
PRIOR FILING DATE: 2000-05-05
PRIOR FILING DATE: 2000-05-06
NUMBER OF SEQ ID NOS: 17
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Best Local Similarity 70.8%;
Matches 34; Conservative
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Publication No. US20030148445A1
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LENGTH: 185
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APPLICANT: THEILL, LA
APPLICANT: YU, GANG
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                                                                                    Matches
                                                                                                                          Query Match
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                                                                                                                                                                                                                                        LENGTH: 185
                                                                                                           Local Similarity
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                             MAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MAGOCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
  MAQQCFHSEYFDSLLHACKPCHLRCSN--PPATCQPYCDPSVTSSVKG
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                                                                                    Conservative
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                                                                                                    64.0%;
70.8%;
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                                                                                                         Score 181; DB 4; Length 185; Pred. No. 2.7e-13;
                                                                                    Mismatches
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    46
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APPLICANT: Holloway, James L.

APPLICANT: Sheppard, Paul O.

APPLICANT: Sheppard, Paul O.

ITILE OF INVENTION: Enfrid, A Tumor Necrosis Factor

ITILE OF INVENTION: Receptor

FILE REFERENCE: 03-17

CURRENT APPLICATION NUMBER: US/10/967,527A

CURRENT FILING DATE: 2004-10-18

PRIOR APPLICATION NUMBER: 60/511,698

PRIOR FILING DATE: 2003-10-16

PRIOR FILING DATE: 2003-10-16

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 10

LENGTH: 185
; Sequence 10, Application US/09855158
; Publication No. US20020086018A1
; GENERAL INFORMATION:
; APPLICANT: THEILL, LARS EYDE
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; ORGANISM: mus musculus
US-10-967-527A-10
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US-10-967-527A-10
                                                                                       US-09-855-158-10
                                                                                                           RESULT 46
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                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.1 SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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                                                                                                                                                                                                                                                              Matches
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Best Local
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
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                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT ORGANISM: Mus musculus
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Local Similarity 70.8%;
nes 34; Conservative
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34; Conserv
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ilarity 70.8%;
Conservative
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                                                                                                                                                                                                                                                          Score 181; DB 3; Pred. No. 4e-13; 4; Mismatches
                                                                                                                                                                                                                                                                                                    DB 3;
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US-09-854-864-12; Sequence 12, Application US/09854864; Patent No. US20020081296A1
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US-10-145-206-197
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US-10-145-206-197
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; TYPE: PRT
; ORGANISM: Mus musculus
US-09-855-158-10
                                                                                                                                                                                                                                                                                                                                      RESULT 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn version 3.1
SEQ ID NO 197
LENGTH: 42
TYPE: PRT
                                                                                                                                                                                                                                             GENERAL INFORMATION:
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Best Local Similarity
       APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/214,591
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CURRENT APPLICATION NUMBER: US/10/145,206
CURRENT FILING DATE: 2002-05-13
PRIOR APPLICATION NUMBER: US 60/290,196
PRIOR FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 197
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APPLICANT: ZIONG, FEI
TITLE OF INVENTION: PEPTIDES AND RELATED MOLECULES THAT BIND TO TALL-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
FILING DATE: 2000-06-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MAQQCFHSEYFDSLLHACKPCHLRCSN--PPATCQPYCDPSVTSSVKG 46
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70.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        55.8%; Score 158; DI 100.0%; Pred. No. 3.2 tive 0; Mismatches
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Pred. No. 4e-13;
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; TYPE: PRT ; ORGANISM: human-murine Consensus US-09-855-158-12
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; TYPE: PRT
; ORGANIEM: human-murine Consensus
US-09-854-864-12
                                                                                                                                                                                                                                                                                                                                                                 US-10-087-192-1647
Sequence 1647, Application US/10087192
Publication No. US20020182586A1
GENERAL INFORMATION:
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US-09-855-158-12
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JS-10-087-192-1647
                                                   PRIOR APPLICATION NUMBER: US 09/798,586
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 2059
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 1647
LENGTH: 249
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SEQ ID NO 12
LENGTH: 117
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SOFTWARE: PatentIn version
SEQ ID NO 12
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                           APPLICANT: Engelhard, Eric K.
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS
TITLE OF INVENTION: CANCER
FILE REFERENCE: 529452000122
CURRENT APPLICATION NUMBER: US/10/087,192
CURRENT FILING DATE: 2002-03.
PRIOR APPLICATION NUMBER: US 09/747,377
PRIOR ETLING DATE: 2000-12-22
PRIOR FILING DATE: 2000-12-22
PRIOR FILING DATE: 2000-12-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/855,158
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
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APPLICANT: YU, GANG
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
FILE REFERENCE: A-686A
                                                                                                                                                                                                                                                                                                                             APPLICANT: Morris, David W. APPLICANT: Engelhard, Eric
                   ORGANISM: Mus musculus
                                      TYPE: PRT
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ilarity 69.8%;
Conservative 1
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    Mismatches

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; TYPE: PRT; ORGANISM: Mus
US-11-200-992-20
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US-11-200-992-20
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CURRENT FILING DATE: 2004-10-18
PRIOR APPLICATION NUMBER: 60/511,698
PRIOR FILING DATE: 2003-10-16
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21, Application US/10967527A Publication No. US20050256041A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20, Application US/11200992 Publication No. US20060067933A1 GENERAL INFORMATION:
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APPLICANT: Holl
APPLICANT: Shep
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Best Local :
                     Matches
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APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: Ztnfr14, A Tumor Necrosis Factor
TITLE OF INVENTION: Receptor
FILE REFERENCE: 03-17
                                                                                                                                                     SOFTWARE: FastSEQ for Windows Version SEQ ID NO 20
                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/115,068
PRIOR FILING DATE: 1999-01-07
PRIOR APPLICATION NUMBER: 60/169,890
PRIOR FILING DATE: 1999-12-09
PRIOR APPLICATION NUMBER: 09/479,856
PRIOR FILING DATE: 2000-01-07
                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 05558.0034.CNUS01
CURRENT APPLICATION NUMBER: US/11/200,992
CURRENT FILING DATE: 2005-08-10
                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Yee, David P.
TITLE OF INVENTION: SOLUBLE RECEPTOR BR43X2 AND METHODS OF USING
                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Gross, Jane A.
APPLICANT: Xu, Wenfeng
APPLICANT: Madden, Karen
APPLICANT: Yee, David P.
                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 249
TYPE: PRT
ORGANISM: mus musculus
                                                                                                                                     LENGTH:
                     Local Similarity 35.1 to all Similarity 35.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CPKDQYWDSSRKSCVSCALTCSQRS-QRTCTDFC 38
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Pred. No. 2.9;
8; Mismatches
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                                 Score 71.5; DI
Pred. No. 2.9;
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Pred. No. 2.9;
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                     Mismatches
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                                                    DB 6;
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; TYPE: PRT
; ORGANISM: Mus Musculus
US-10-180-903-2
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US-10-180-903-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 75, Application US/100 Publication No. US20030235882AJ
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APPLICANT:
APPLICANT:
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CURRENT FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/300,978
PRIOR FILING DATE: 2001-06-26
PRIOR APPLICATION NUMBER: US 60/324,820
PRIOR FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 4
APPLICANT: Rothenberg, Mark
TITLE OF INVENTION: No. US20030235882A1el Nucleic
TITLE OF INVENTION: Thereof
FILE REFERENCE: 21402-222
CURRENT APPLICATION NUMBER: US/10/028,248A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/256619
PRIOR FILING DATE: 2000-12-19
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TITLE OF INVENTION: AND
FILE REFERENCE: R-720
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No. US20030093824A1
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Spytek, Kimberly
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Millet, Isabelle
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Casman, Stacie
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Zerhusen, Bryan
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Tchernev, Velizar
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                                                                                                                                                                                                                                                                                                                                                                                            Gangolli,
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Charles
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Pred. No. 23;
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                                                                                                      Acids and Polypeptides and Methods
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RESULT 55
US-10-107-782-75
; Sequence 75, Application US/10107782
; Publication No. US20040018970A1
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                                                                        PRIOR APPLICATION NUMBER: 10/028,248
PRIOR FILLING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/256,619
PRIOR FILLING DATE: 2000-12-19
PRIOR FILLING DATE: 2000-12-19
PRIOR APPLICATION NUMBER: 60/262,959
PRIOR APPLICATION NUMBER: 60/272,408
PRIOR APPLICATION NUMBER: 60/272,408
PRIOR APPLICATION NUMBER: 60/285,189
PRIOR APPLICATION NUMBER: 60/285,189
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PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 60/272408
PRIOR APPLICATION NUMBER: 60/285189
PRIOR APPLICATION NUMBER: 60/285189
PRIOR FILING DATE: 2001-04-20
PRIOR APPLICATION NUMBER: 60/308039
PRIOR FILING DATE: 2001-07-26
PRIOR FILING DATE: 2001-07-26
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                                                                                                                                                                                                                                             APPLICANT: Zerhusen, Brian
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES AND METHODS OF USE THEREOF
FILE REFERENCE: 21402-222CLP
CURRENT APPLICATION NUMBER: US/10/107,782
CURRENT FILING DATE: 2002-03-27
CURRENT FILING DATE: 2002-03-27
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PRIOR FILING DATE: 2001-08-09
NUMBER OF SEQ ID NOS: 211
SOFTWARE: Patentin Ver. 2.1
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APPLICANT:
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nes 14; Conserv
      FILLING DATE: 2001-04-20
APPLICATION NUMBER: 60/308,039
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Vernet, Corine,
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Tchernev, Velizar,
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Rothenberg, Mark,
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Malyankar, Uriel,
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let, Isabelle,
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thson, Glennda,
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NUMBER: 60/311,266
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; TYPE: PRT ; ORGANISM: Homo sapiens US-10-107-782-75
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US-10-028-248A-74
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                                                                   SOFTWARE: PatentIn Ver. SEQ ID NO 74
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APPLICANT:
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PRIOR APPLICATION NUMBER: 60/279,344
PRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 215
                                                                                                 PHIOR FILING DATE: 2001-08-09
NUMBER OF SEQ ID NOS: 211
                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/028,248A
CURRENT FILING DATE: 2001-12-19
                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Rothenberg, Mark
TITLE OF INVENTION: NO. US20030235882A1el Nucleic Acids and Polypeptides and Methods of Invention: Thereof
TITLE OF INVENTION: Thereof
FILE REFERENCE: 21402-222
                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/256619
PRIOR FILING DATE: 2000-12-19
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                                                                                                                     PRIOR APPLICATION NUMBER: 60/311266
PRIOR FILING DATE: 2001-08-09
                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/272408
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: 60/285189
                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/262959
PRIOR FILING DATE: 2001-01-19
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              LENGTH: 5376
TYPE: PRT
ORGANISM: Mus musculus
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                                                                                                                                                           APPLICATION NUMBER: 60/308039 FILING DATE: 2001-07-26
                                                                                                                                                                                            FILING DATE: 2001-04-20
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Vernet, Corine
Casman, Stacie
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Millet, Isabelle
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Spytek, Kimberly
Gangolli, Esha
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Zerhusen, Bryan
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Charles
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Pred. No. 1e+02;
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US-10-107-782-74
                                                                                                                               US-10-107-782-74
                                                                                          Query Match
                                                                                                                                                                                                      SEQ ID NO 74
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Best Local :
                                                       Matches
                                                                         Best Local
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PRIOR FILING DATE: 2000-12-19
PRIOR APPLICATION NUMBER: 60/262,959
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 60/272,408
PRIOR FILING DATE: 2001-02-28
PRIOR FILING DATE: 2001-02-28
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APPLICANT:
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PRIOR TILING DATE: 2001-07-26
PRIOR APPLICATION NUMBER: 60/311,266
PRIOR FILING DATE: 2001-08-09
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CURRENT FILING DATE: 2002-03-27
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TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES AND METHODS OF USE THEREOF
FILE REFERENCE: 21402-222CIP
                                                                                                                                                                                                                         SOFTWARE:
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NUMBER OF SEQ ID NOS: 215
                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/279,344
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                                                                                                                                              TYPE: PRT
ORGANISM: Homo
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                                                                                                                                                                                    5376
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                                                                         Similarity
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QCSQNEYFDSLLHACIP-CQLRCSSNTP--PLTCQRYC 41
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Tchernev, Velizar,
Vernet, Corine,
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Smithson, Glennda,
Spytek, Kimberly,
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Stone, David,
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Gangolli, Esha,
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Rothenberg, Mark,
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Malyankar, Uriel,
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                                                       Conservative
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                                                                       Score 69.5; DB 4; Length 5376; Pred. No. 1e+02;
                                                       Mismatches
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                                                       16;
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US-09-779-050A-45; Sequence 45, Application US/09779050A; Patent No. US20020160416A1
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US-10-152-363A-62
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                                                         RESULT 60
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LENGTH: 332
TYPE: PRT
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Publication No.
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CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT FILING DATE: 2002-05-20
                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/11/242,294
CURRENT FILING DATE: 2005-10-03
PRIOR APPLICATION NUMBER: US/10/152,363
PRIOR FILING DATE: 2002-05-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Rixon, Mark W.
APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
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PRIOR FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                             OTHER INFORMATION: Fusion protein.
                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
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                                                                                                                                              1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
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                                                                                                             VLSAMRSCPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS 58
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10. US20030103986A1
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27.9%; Pred. No. 8.6;
tive 10; Mismatches
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27.9%; Pred. No. 8.6;
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GENERAL INFORMATION:

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RESULT 62
US-09-854-864-20
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; OTHER INFORMATION: cysteine rich
US-10-967-527A-20
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 20
LENGTH: 48
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                                                                                                             GENERAL INFORMATION:
                                                                                                                               Sequence 20, Application US/09854864 Patent No. US20020081296A1
                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
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CURRENT FILING DATE: 2004-10-18
PRIOR APPLICATION NUMBER: 60/511,698
PRIOR FILING DATE: 2003-10-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Fox, Brian A.
APPLICANT: Holloway, James L.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: Ztnff14, A Tumor Necrosis Factor
TITLE OF INVENTION: Receptor
FILE REFERENCE: 03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -09-779-050A-45
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CURRENT APPLICATION NUMBER: US/09/779,050A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/181,800
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 52
                        APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
FILE DEPERDENCE: ACC., AND TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: BOYLE, WILLIAM APPLICANT: HSU, HAILING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: RECEPTOR FROM THE FAMILY
CURRENT APPLICATION NUMBER: US/09/854,864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
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Pred. No. 1.3;
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Best Local S
Matches 11
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                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
                                                                                                                                                                                                                                                                Sequence 15, Application US/09854864 Patent No. US20020081296A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 20
LENGTH: 59
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Best Local Similarity
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR PILING DATE: 2000-06-27
PRIOR PILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
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PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patentin version 3.1
             CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
FRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
FRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
FILE REFERENCE: A-686A
                                                                                                                                               APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn version 3.1
NUMBER OF SEQ ID NOS: 31
                                                                                                                                             FILE REFERENCE: A-686B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 59
TYPE: PRT
ORGANISM: Homo sapiens
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Pred. No. 2;
9; Mismatches
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Pred. No. 2;
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US-09-855-158-15
; Sequence 15, Application US/09855158
; Publication No. US20020086018A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 66
US-10-293-816-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-855-158-15
                                                                                                            CURRENT APPLICATION NUMBER: US/10/293,816
CURRENT FILING DATE: 2002-11-12
PRIOR APPLICATION NUMBER: US 09/782,857
PRIOR FILING DATE: 2001-02-14
PRIOR APPLICATION NUMBER: US 09/290,333
PRIOR APPLICATION NUMBER: US 09/290,333
PRIOR FILING DATE: 1999-04-12
PRIOR APPLICATION NUMBER: US 08/810,572
PRIOR FILING DATE: 1997-03-03
NUMBER OF SEQ ID NOS: 11
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LENGTH: 166
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Publication No. US20030082173A1
GENERAL INFORMATION:
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Best Local (
                                                                         SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 6
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                       APPLICANT: Bram, Richard J.
APPLICANT: Von Bulow, Gotz
TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR
TITLE OF INVENTION: CAML AND METHODS OF USE THERE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: 3, AND TACI
FILE REFERENCE: A-686A
                LENGTH: 166
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                             TILE REFERENCE: 44158/254623
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Pred. No. 5.7;
9; Mismatches
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Pred. No. 5.
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Query Match
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APPLICANT: Bram, Richard J.

APPLICANT: Von Bulow, Gotz

TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
TITLE OF INVENTION: CAML AND METHODS OF USE THEREOF
FILE REFERENCE: 44158/254623
CURRENT APPLICATION NUMBER: US/11/079,418
CURRENT FILING DATE: 2005-03-14
PRIOR APPLICATION NUMBER: US/10/293,816
PRIOR FILING DATE: 2002-11-12
PRIOR APPLICATION NUMBER: US 09/782,857
PRIOR FILING DATE: 2001-02-14
PRIOR PILING DATE: 2001-02-14
PRIOR PILING DATE: 2001-02-14
PRIOR PILING DATE: 1909-04-12
PRIOR APPLICATION NUMBER: US 09/290,333
PRIOR FILING DATE: 1999-04-12
PRIOR APPLICATION NUMBER: US 08/810,572
PRIOR APPLICATION NUMBER: US 08/810,572
PRIOR PILING DATE: 1997-03-03
                                   FEATURE:
OTHER INFORMATION:
US-10-684-149-18
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-079-418-6
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US-11-079-418-6
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                                                                                                                                                                NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 18
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Best Local Similarity 30.6%;
Matches 11; Conservative
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Best Local
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                                                                                                                                                                                                                                                                                                                 APPLICANT: West, James W.
APPLICANT: Brandt, Cameron S.
APPLICANT: Jaspers, Stephen R.
TITLE OF INVENTION: Production of Homotrimeric
TITLE OF INVENTION: Proteins
FILE REFERENCE: 02-17
                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/417,801
PRIOR FILING DATE: 2002-10-11
NUMBER OF SEQ ID NOS: 22
                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/684,149
CURRENT FILING DATE: 2003-10-10
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                                                                                                  LENGTH: 171
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34 CPEEQYWDPLIGTCMSCKTICNHQS-QRTCAAFCRS 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  34 CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS 68
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
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                                                              TACI-HSBP fragment
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  23.9%; Score 67.5;
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Pred. No. 5.7;
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Pred. No. 5.7;
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  DВ
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Length 171;
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TITLE OF INVENTION: SOLUBLE RECEPTOR BR43X2 AND METHODS OF USING
FILE REFERENCE: 05558.0034 CNUS01
CURRENT APPLICATION NUMBER: US/11/200,992
CURRENT FILING DATE: 2005-08-10
PRIOR APPLICATION NUMBER: 60/115,068
PRIOR APPLICATION NUMBER: 60/15,068
PRIOR FILING DATE: 1999-01-07
PRIOR APPLICATION NUMBER: 60/169,890
PRIOR FILING DATE: 1999-12-09
PRIOR APPLICATION NUMBER: 09/479,856
PRIOR APPLICATION NUMBER: 09/479,856
PRIOR FILING DATE: 2000-01-07
NUMBER OF SEO ID NOS: 60
SOFTWARE: PastSEQ for Windows Version 3.0
SEO ID NO 9
                                                                                                                                                           APPLICANT: KIM, KYUNG JIN
APPLICANT: YAN, MINHONG
TITLE OF INVENTION: TACI Antibodies and Uses Thereof
FILE REFERENCE: P1942R1
CURRENT APPLICATION NUMBER: US/10/626,914
CURRENT FILING DATE: 2003-07-25
PRIOR APPLICATION NUMBER: US 60/398,530
PRIOR FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 17
SEQ ID NO 17
LENGTH: 265
TYPE: PRT
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US-10-626-914-17
; Sequence 17, Application US/10626914
; Publication No. US20050043516A1
; GENERAL INFORMATION:
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Matches 1
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                                                         Matches
                                                                                          Query Match
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                                                                     Best Local Similarity
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APPLICANT: Xu, Wenfeng
APPLICANT: Madden, Karen
APPLICANT: Yee, David P.
                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: CHUNTHARAPAI, ANAN APPLICANT: GREWAL, IQBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
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CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
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Conservative
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                                                                     23.9%;
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                                                     Score 67.5; DB Pred. No. 9.1; 9; Mismatches
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Pred. No. 8.4;
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9; Mismatches
                                                                                        DB 5;
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                                                                                          Length 265;
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PRIOR APPLICATION NUMBER: US 60/377,171
PRIOR FILING DATE: 2002-04-30
NUMBER OF SEQ ID NOS: 19
SEQ ID NO 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 19, Application US/10485489
Publication No. US20050070689A1
GENERAL INFORMATION:
APPLICANT: Dixit, Vishva
APPLICANT: Grewal, Iqbal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 36, Application US/10861049
Publication No. US20050095243A1
GENERAL INFORMATION:
APPLICANT: Andrew Chan
                                                                          Matches
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                                                                                                                     Query Match
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APPLICANT: Flavius Martin
TITLE OF INVENTION: COMBINATION THERAPY FOR B CELL DISORDERS
FILE REFERENCE: P2040R1US
CURRENT APPLICATION NUMBER: US/10/861,049
CURRENT FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR PILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-06
                                                                                                                                                                                                                                                             PRIOR FILING DATE: 2003-0
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CURRENT FILING DATE: 2004-01-30
                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR FILING DATE: 2003-06-05
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PRIOR APPLICATION NUMBER: US 60/310,114
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                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                       LENGTH: 265
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                                      8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
                                                                              11; Conservative
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Ridgway, John
Yan, Minhong
CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS
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                                                                                               23.9%;
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Pred. No. 9.1;
9; Mismatches 15;
                                                                            9; Mismatches
                                                                                               Score 67.5; DB 5; Pred. No. 9.1;
                                                                              15;
  68
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RESULT 73

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APPLICANT: Aldrew Chan
APPLICANT: Qian Gong
APPLICANT: Qian Gong
APPLICANT: Plavius Martin
TITLE OF INVENTION: COMBINATION THERAPY FOR B CELL DISORDERS
FILE REFERENCE: P2040R1P1
CURRENT APPLICATION NUMBER: US/11/021,874
CURRENT FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 10/661,049
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,531
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR APPLICATION NUMBER: US 60/476,481
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR FILING DATE: 2003-06-05
PRIOR APPLICATION NUMBER: US 60/476,414
PRIOR FILING DATE: 2003-06-05
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 36
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; Sequence 36, Application US/11021874
; Publication No. US20050163775A1
                                                                                                                                                                       LENGTH: 265
TYPE: PRT
ORGANISM: Homo sapiens
US-11-069-473-9
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-021-874-36
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CURRENT APPLICATION NUMBER: US/11/069,473
CURRENT FILING DATE: 2005-02-28
PRIOR APPLICATION NUMBER: US/09/724,341
PRIOR APPLICATION NUMBER: US/09/724,341
PRIOR APPLICATION NUMBER: US 60/182,938
PRIOR FILING DATE: 2000-01-6
PRIOR FILING DATE: 2000-02-16
PRIOR APPLICATION NUMBER: US 60/226,986
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 14
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                                                                                        Matches
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Publication No. US20060073146A1
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                                                                                                        Query Match
Best Local Similarity
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APPLICANT: KELLY H. DODGE
APPLICANT: IQBAL GREWAL
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  CPEEQYWDPLIGTCMSCKTICNHQS-QRTCAAFCRS 68
                                           CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KYUNG JIN KIM
SCOT A. MARSTERS
ROBERT M. PITTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MINHONG YAN
                                                                                   Conservative
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                                                                                                     23.9%;
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                                                                                                        Score 67.5;
Pred. No. 9.
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                                                                                                                              Length 265;
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RESULT 77
US-09-879-919-22
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; ORGANISM: homo sapiens
US-10-967-527A-19
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US-10-967-527A-19
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                                                                                                                   ; Sequence 22, Application US/09879919
; Patent No. US20020064829A1
                                                                                                  ; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 19
LENGTH: 292
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Publication No.
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APPLICANT: Yu, Guo-Liang, et al. TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon FILE REFERENCE: PF253P1 CURRENT APPLICATION NUMBER: US/09/879,919 CURRENT FILING DATE: 2001-06-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/511,698
PRIOR FILING DATE: 2003-10-16
NUMBER OF SEQ ID NOS: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Fox, Brian A.
APPLICANT: Holloway, James L.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: Ztnfr14, A Tumor Necrosis Factor
TITLE OF INVENTION: Receptor
FILE REFERENCE: 03-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/779,050A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/181,800
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 52
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/967,527A CURRENT FILING DATE: 2004-10-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: BOYLE, WILLIAM
APPLICANT: HSU, HAILING
TITLE OF INVENTION: RECEPTOR FROM THE FAMILY
FILE REFERENCE: A-570B
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TYPE: PRT
ORGANISM: Homo sapiens
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Local Similarity 30.6%;
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No. US20050256041A1
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; Pred. No. 10;
9; Mismatches
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RESULT 79
US-09-855-158-14
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US-09-854-864-14
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PRIOR FILLING DATE: 2000-12-13
PRIOR APPLICATION NUMBER: 60/241,952
PRIOR FILLING DATE: 2000-10-23
PRIOR FILLING DATE: 2000-10-23
PRIOR FILLING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/211,537
PRIOR FILLING DATE: 1997-03-12
PRIOR FILLING DATE: 1997-03-12
PRIOR APPLICATION NUMBER: 60/016,812
PRIOR APPLICATION NUMBER: 60/016,812
PRIOR FILLING DATE: 1996-03-14
Sequence 14, Application US/09855158
Publication No. US20020086018A1
GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
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CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, TITLE OF INVENTION: BLYS/AGP-3, AND TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: THEILL, LARS EYDE APPLICANT: YU, GANG
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PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,978
                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 293
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Local Similarity 30.6%;
es 11; Conservative
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Pred. No. 10;
9; Mismatches
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Pred. No. 1
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US-09-779-050A-42
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                                                                                                                                                         Sequence 42, Application US/09779050A Patent No. US20020160416A1 GENERAL INFORMATION:
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Patent No. US20020106736A1
GENERAL INFORMATION:
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SEQ ID NO 14
LENGTH: 293
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LENGTH: 293
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Best Local
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                                                                                       APPLICANT: BOYLE, WILLIAM
APPLICANT: HSU, HAILING
TITLE OF INVENTION: RECEPTOR FROM THE FAMILY
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FILE REFERENCE: A-570B
CURRENT APPLICATION NUMBER: US/09/779,050A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/181,800
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PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: 09/533,822
PRIOR FILING DATE: 2000-03-24
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CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: 60/254,874
PRIOR FILING DATE: 2000-12-13
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TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR17
FILE REFERENCE: PF524P1
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l Similarity 30.6%;
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SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 2
LENGTH: 293
TYPE: PRT
ORCANISM: Human
US-09-302-863-2
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US-09-302-863-2
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                                               Best Loc
Matches
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NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 293
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Publication No. US20030022233A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Goodwin, Raymond G
APPLICANT: Din, Wanwan S.
TITLE OF INVENTION: METHODS OF USE OF THE TACI/TACI-L INTERACTION
FILE REFERENCE: 2519
                                                                                                                                                                                                                                                                                                                                    Sequence 2, Application US/09855564 Publication No. US20030165986A1 GENERAL INFORMATION:
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LENGTH: 293
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Best Local Similarity 30.6%;
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                                                                                                          -09-855-564-2
                                                                                                                     LENGTH: 293
TYPE: PRT
ORGANISM: Human
                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/855,564
CURRENT FILING DATE: 2001-05-14
                                                                                                                                                                                                                                                                      APPLICANT: Din, Wanwan S.
TITLE OF INVENTION: METHODS OF USE OF THE TACI/TACI-L INTERACTION
FILE REFERENCE: 2519
                                                                                                                                                                                                                                                                                                         APPLICANT: Goodwin, Raymond G APPLICANT: Din, Wanwan S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/302,863
CURRENT FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5
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NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 09/302,863
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ORGANISM: Homo sapiens
                                               Local Similarity
nes 11; Conser
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CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
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                                            Score 67.5; DI
Pred. No. 10;
9; Mismatches
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Pred. No. 10;
9; Mismatches
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Pred. No. 1
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 US-10-068-725-4
; Sequence 4, Application US/10068725
; Publication No. US20030012783A1
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                                               RESULT 86
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Matches
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APPLICANT: Engelhard, Eric K.

ITITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR ITITLE OF INVENTION: CANCER

FILE REFERENCE: 529452000122

CUURRENT APPLICATION NUMBER: US/10/087,192

CUURRENT FILING DATE: 2002-03-01

PRIOR APPLICATION NUMBER: US 09/747,377

PRIOR APPLICATION NUMBER: US 09/747,377

PRIOR APPLICATION NUMBER: US 09/798,586

PRIOR APPLICATION NUMBER: US 09/798,586

PRIOR FILING DATE: 2001-03-02

NUMBER OF SEQ ID NOS: 2059

SOFTWARE: FastSEQ for Windows Version 4.0

LENGTH: 293
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US-10-087-192-1650
; Sequence 1650, Application US/10087192
; Publication NO. US20020182586A1
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-192-1650
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CURRENT FILING DATE: 2002-03-01

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/533,8

PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-24

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/126,599

PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/188,208

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/188,208

PRIOR APPLICATION STATE EARLIER APPLICATION NUMBER: 60/188,208

PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1999-03-10

NUMBER OF SEQ ID NOS: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Neutrokine-alpha Binding Proteins and Methods Based Thercon
FILE REFERENCE: PF524PCT
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                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Homo sapiens
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CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS 68
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CURRENT APPLICATION NUMBER: US/10/068,725
CURRENT FILING DATE: 2002-02-06
PRIOR APPLICATION NUMBER: 60/270,274
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/283,447
PRIOR FILING DATE: 2001-04-12
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                  RESULT 88
US-10-293-816-2
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; Sequence 46, Application US/10151882
; Publication No. US20030059862A1
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Best Local Similarity 30...
"""ches 11; Conservative
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 46
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Publication No. US20030082173A1
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Best Local Similarity
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CURRENT FILING DATE: 2002-05-22
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TITLE OF INVENTION: Antibodies Against Tumor Necrosis Factor Delta (APRIL)
FILE REFERENCE: PF554
                                                                       CURRENT APPLICATION NUMBER: US/10/293,816
CURRENT FILING DATE: 2002-11-12
PRIOR APPLICATION NUMBER: US/09/782,857
                                                                                                                                                 APPLICANT: Bram, Richard J.

APPLICANT: Von Bulow, Gotz
TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
TITLE OF INVENTION: CALL AND METHODS OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/293,100 PRIOR FILING DATE: 2001-05-24
                  PRIOR FILING DATE: 2001-02-14
PRIOR APPLICATION NUMBER: US 09/290,333
PRIOR FILING DATE: 1999-04-12
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TYPE: PRT
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TITLE OF INVENTION: Antibodies That Bind Both BCMA and TACI
                                                                                                                                        FILE REFERENCE: 44158/254623
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TYPE: PRT
ORGANISM: Homo sapiens
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APPLICATION NUMBER: US 08/810,572
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Pred. No. 10;
9; Mismatches
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Pred. No. 10;
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US-10-008-063-8
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                                                                  US-10-152-363A-2
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Matches
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NUMBER OF SEQ ID NOS: 11
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
                                                                                                                                 NUMBER OF SEQ ID NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8
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                                                                                                                                                                                                                                                                                                                                   Sequence 2, Application US/10152363A Publication No. US20030103986A1
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Publication No.
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Query Match
Best Local Similarity
Matches 11; Conserv
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Best Local Similarity
                                                                                                                                                                                                               APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACT-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT FILING DATE: 2002-05-20
                                                                                LENGTH: 293
TYPE: PRT
ORGANISM: Homo:
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CURRENT APPLICATION NUMBER: US/10/008,063
CURRENT FILING DATE: 2001-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Henne, Randal M.
APPLICANT: Grant, Francis, J.
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
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                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/293,343 PRIOR FILING DATE: 2001-05-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 293
TYPE: PRT
ORGANISM: Homo sapiens
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   Conservative
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30.6%;
               23.9%;
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; Pred. No. 10;
9; Mismatches
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                 Score 67.5;
Pred. No. 10;
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Pred. No. 10;
   Mismatches
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CURRENT APPLICATION NUMBER: US/10/258,368
CURRENT FILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: USSN 60/199,946
PRIOR FILING DATE: 2000-04-27
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 1
LENGTH: 293
TYPE: PRT
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SEQ ID NO 22
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-268-951-22
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US-10-258-368-1
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PRIOR APPLICATION NUMBER: 60/254,875
PRIOR FILING DATE: 2000-12-13
PRIOR APPLICATION NUMBER: 60/254,875
PRIOR APPLICATION NUMBER: 60/254,875
                                                                                                                                                                                                               APPLICANT: Rennert, Paul
TITLE OF INVENTION: Taci As As Anti-Tumor Agent
FILE REFERENCE: BICC0130 NP of PCT/US01/40626
                                                                                                                                                                                                                                                                 APPLICANT: Ambrose, Christine
APPLICANT: Thompson, Jeffrey
APPLICANT: Schneider, Pascal
APPLICANT: Rennert, Paul
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PRIOR APPLICATION NUMBER: 60/328,401
PRIOR FILING DATE: 2001-10-12
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CURRENT FILING DATE: 2002-10-11
PRIOR APPLICATION NUMBER: 10/082,260
PRIOR FILING DATE: 2002-02-26
PRIOR APPLICATION NUMBER: 09/879,919
PRIOR TILING DATE: 09/879,919
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TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
FILE REFERENCE: PF253P2
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PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/211,537
PRIOR FILING DATE: 2000-06-15
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PRIOR APPLICATION NUMBER: 08/815,783
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PRIOR FILING DATE: 2001-03-23
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Pred. No. 10;
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; ORGANISM: human
US-10-618-797-4
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                                                                                LENGTH: 293
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-742-634-7
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US-10-742-634-7
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
Query Match 23.9%;
Best Local Similarity 30.6%;
Matches 11; Conservative
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Publication No. US20040208824A1
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Tocal Similarity
Conserv
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Publication No. US20040048296A1
                                                                                                                                                          SEQ ID NO 7
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Best Local Similarity 30.6%;
                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/435,262 PRIOR FILING DATE: 2002-12-23 PRIOR APPLICATION NUMBER: US 60/467,198 PRIOR FILING DATE: 2003-05-02 NUMBER OF SEQ ID NOS: 17 SOFTWARE: Patentin version 3.1
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CURRENT FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: 09/848, 295
PRIOR FILING DATE: 2001-05-04
PRIOR APPLICATION NUMBER: 60/202,193
PRIOR FILING DATE: 2000-05-05
                                                                                                                                                                                                                                                                                       APPLICANT: Hilbert, David
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: Neutrokine-alpha Conjugate, Neutrokine-alpha Complex, and Uses
FILE REFERENCE: 1488.1810002
CURRENT APPLICATION NUMBER: US/10/742,634
CURRENT FILING DATE: 2003-12-22
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TITLE OF INVENTION: Human Tumor Necrosis Factor TR20 and Methods Based Thereon
FILE REFERENCE: PF527D1
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APPLICANT: Ruben, Stev
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Galperina, Olga
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       ; Score 67.5; D; Pred. No. 10; 9; Mismatches
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Pred. No. 10;
9; Mismatches
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Pred. No. 10;
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US-10-684-149-4
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                                                                   RESULT 97
US-10-626-914-3
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LENGTH: 293
TYPE: PRT
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PRIOR FILING DATE: 2002-12-30
NUMBER OF SEQ ID NOS: 28
SOPTWARE: Patentin version 3.2
SEQ ID NO 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/10684149
Publication No. US20050009149A1
GENERAL INFORMATION:
APPLICANT: West, James W.
APPLICANT: Brandt, Cameron S.
APPLICANT: Jaspers, Stephen R.
TITLE OF INVENTION: Production of Homotrimeric Fusion
TITLE OF INVENTION: Proteins
               Sequence 3, Application US/10626914 Publication No. US20050043516A1 GENERAL INFORMATION:
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Publication No. US20040208874A1
GENERAL INFORMATION:
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TITLE OF INVENTION: COMBINATION THERAPY WITH
FILE REFERENCE: 06843, 0052-00000
CURRENT APPLICATION NUMBER: US/10/748,112
CURRENT FILING DATE: 2003-12-29
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NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSEQ for Windows Version 3.0
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CURRENT FILING DATE: 2003-10-10
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Patin Docket Preview
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Local Similarity 30.6%;
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Pred. No. 10;
9; Mismatches
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APPLICANT: YAN, MINIONG
TITLE OF INVENTION: TACI Antibodies and Uses Thereof
FILE REFERENCE: P1942R1
CURRENT APPLICATION NUMBER: US/10/626,914
CURRENT APPLICATION NUMBER: US 60/398,530
PRIOR APPLICATION NUMBER: US 60/398,530
PRIOR FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 17
SEQ ID NO 3
LENGTH: 293
TYPE: PRT
ORGANISM: Homo sapien
US-10-626-914-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; NUMBER OF SEQ ID NOS: 19
; SEQ ID NO 3
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-485-489-3
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APPLICANT: Grewal, Igbal
APPLICANT: Ridgway, John
APPLICANT: Ridgway, John
APPLICANT: Ridgway, John
APPLICANT: Yan, Minbong
TITLE OF INVENTION: TACIs and BR3 Polypeptides and Uses Thereof
FILE REFERENCE: 11669.175USWO
CURRENT APPLICATION NUMBER: US/10/485,489
CURRENT FILING DATE: 2004-01-30
PRIOR APPLICATION NUMBER: PCT/US02/23487
PRIOR FILING DATE: 2002-07-24
PRIOR FILING DATE: 2001-08-03
PRIOR APPLICATION NUMBER: US 60/310,114
PRIOR FILING DATE: 2001-08-03
PRIOR APPLICATION NUMBER: US 60/377,171
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Publication No. US20050095243A1
GENERAL INFORMATION:
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Best Local Similarity
APPLICANT: Andrew Chan
APPLICANT: Qian Gong
APPLICANT: Qian Gong
APPLICANT: Flavius Martin
TITLE OF INVENTION: COMBINATION THERAPY FOR B
FILE REFERENCE: P2040RLUS
CURRENT APPLICATION NUMBER: US/10/861,049
CURRENT FILING DATE: 2004-06-04
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APPLICANT: GREWAL, IQBAL
APPLICANT: KIM, KYUNG JIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR FILING DATE: 2002-04-30
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Sequence 7, Application US/10742634

Publication No. US20050249671A9

GENERAL INFORMATION:
APPLICANT: Parmelee, David
APPLICANT: Yeh, Ren-Hwa
APPLICANT: Hilbert, David
APPLICANT: Hilbert, David
APPLICANT: Hilbert, David
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: Neutrokine-alpha Conjugate, Neutrokine-alpha Complex, and Uses Th
FILE REFERENCE: 1488.1810002

CURRENT APPLICATION NUMBER: US/10/742,634

CURRENT FILING DATE: 2003-012-22

PRIOR APPLICATION NUMBER: US 60/435,262

PRIOR APPLICATION NUMBER: US 60/467,198

PRIOR APPLICATION SATE: 2003-05-02

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin version 3.1

SEQ ID NO 7

LENGTH: 293

TYPE: PRT
ORGANISM: Homo sapiens
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; PRIOR FILLING DATE: 2003-06-05
; PRIOR FILLING DATE: 2003-06-05
; PRIOR FILLING DATE: 2003-06-05
; NUMBER OF SEQ ID NOS: 145
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; ORGANISM: Homo sapiens
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US-09-565-423-11

Sequence 11, Application US/09565423

Patent No. 6475987

GENERAL INFORMATION:
APPLICANT: Shu, Hong-Bing
TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECU
TITLE OF INVENTION: METHODS OF USE THEREOF
FILE REFERENCE: 2879-72

CURRENT APPLICATION NUMBER: US/09/565,423

CURRENT FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR FILING DATE: 2000-05-01

PRIOR FILING DATE: 2000-05-01

PRIOR FILING DATE: 2000-05-01

PRIOR FILING DATE: 2000-05-01

PRIOR FILING DATE: 1999-05-06

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 11
US-09-949-016-11115
; Sequence 11115, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: WITH HUMAN DISEASE, MET
; TITLE OF INVENTION: WITH HUMAN DISEASE, MET
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
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US-09-131-825-1
US-09-131-825-1
US-09-151-533B-5
US-09-959-392-2
US-09-9560-385A-4
US-09-9560-385A-6
US-09-9560-385A-6
US-09-9560-385A-2
US-09-9560-385A-2
US-09-9560-385A-2
US-09-9560-385A-2
US-09-9560-385A-2
US-09-9560-385A-2
US-09-9560-385A-2
US-09-9560-385A-2
US-09-109-109-135-9
US-08-189-432-16
US-08-189-432-16
US-08-189-232-11
US-09-1121-457-1
US-09-121-457-1
US-09-121-457-3
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Pred. No. 4.4e-26;
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                                                                                                                                                                                                                                                                                                                                   Mismatches
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                                                              KNOWN GENES
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                                                              ASSOCIATED
OF DETECTION
                                                                                                                                                                                                                                                                                                                                                                      Length 184;
                                                                DETECTION AND USES THEREOF
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PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SEQ ID NO 11115
LENGTH: 192
LENGTH: 192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11115
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US-09-854-864-5
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US-09-854-864-6
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                                                                                                                                                                                                                                                                ; GENERAL INFORMATION:
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LENGTH: 51
TYPE: PRT
ORGANISM: Homo sapiens
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Best Local :
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                                                               FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
                                                                                                                                                                        APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-6-27
NUMBER OF SEQ ID NOS: 31
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn version 3.1
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48; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    95.1%; Score 269; DB 2; 1
100.0%; Pred. No. 5.2e-25;
tive 0; Mismatches 0;
                                                                                                                                                                                                 OF MATTER CONCERNING APRIL/G70, BCMA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 51;
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PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.1
SOFTWARE: PatentIn version 3.1
SOFTWARE: PatentIn version 3.1
TYPE: DDT
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US-09-854-864-21
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US-09-854-864-9
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                                                                            SOFTWARE: PatentIn version 3.1 SEQ ID NO 21
                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.1 SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21, Application US/09854864 Patent No. 6774106
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Best Local Similarity
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Patent No. 6774106
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Best Local Similarity
ORGANISM: Homo sapiens
-09-854-864-21
                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA, TITLE OF INVENTION: BLYS/AGP-3, AND TACI FILE REFERENCE: A-686B CURRENT APPLICATION NUMBER: US/09/854,864 CURRENT FILING DATE: 2001-09-11
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                                                                                                                      NUMBER OF SEQ ID NOS: 31
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TYPE: PRT
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TYPE: PRT
ORGANISM: Homo sapiens
                                   LENGTH: 58
TYPE: PRT
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ilarity 100.0%;
Conservative (
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Pred. No. 2e-24;
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US-09-854-864-13
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
                                                                                                                                                                                                             SOFTWARE: PatentIn version 3.1 SEQ ID NO 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No. 6774106
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Best Local S
                                                                      Matches
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Best Local Similarity
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMATTLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
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                                                                                                                                                                               TYPE: PRT
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                                                                                                                                                                                              LENGTH: 81
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                    CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
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CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
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                                                                      Conservative
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                                                                                   71.0%; Score 201; DB 2; 100.0%; Pred. No. 1e-16;
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Pred. No. 1.4e-22;
                                                                      Mismatches
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US-09-565-423-17
; Sequence 17, Application US/09565423
; Patent No. 6475987
; GENERAL INFORMATION:
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US-09-854-864-10
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                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT; ORGANISM: Murine US-09-854-864-11
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US-09-854-864-11
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; TYPE: PRT
; ORGANISM: Mus musculus
US-09-565-423-17
                    GENERAL INFORMATION:
                                    Sequence 10, Application US/09854864 Patent No. 6774106
                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 11
LENGTH: 185
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APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No. 677410
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Best Local
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  APPLICANT:
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
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TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
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CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR FILING DATE: 2000-05-01
PRIOR PPLICATION NUMBER: 60/132,892
PRIOR FILING DATE: 1999-05-06
NUMBER OF SEO ID NOS: 17
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TITLE OF INVENTION: TALL-1 NUCLEIC ACID MOLECULES,
TITLE OF INVENTION: METHODS OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.1
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34; Conservative
THEILL, LARS EYDE
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                                                                                                                                                                                                                                   Score 181; DB 2;
Pred. No. 5.7e-14;
4; Mismatches 8
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; ORGANISM: human-murine Consensus
US-09-854-864-12
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                GENERAL INFORMATION: LARS EYDE
APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILLING DATE: 2001-09-11
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SEQ ID NO 12
LENGTH: 117
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Best Local (
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Best Local Similarity
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APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR EILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-12
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TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR FILING DATE: 2000-05-27
RIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/214,591
RRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
PRIOR APPLICATION NUMBER: US 60/204,039
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o. 6774106
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30; Conserv
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                                                                                                                                                                                                                                                                                                                                                                      SQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                                                                                         AQCEYFDSLLHAC-PC-LRCS----PPTCQ-YC--SVT-SVKG
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70.8%;
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Pred. No. 4.9e-05
1; Mismatches
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Pred. No. 9e-14;
4; Mismatches
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                                                                                                    US-08-810-572A-6
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                                  Matches
                                               Query Match
Best Local Similarity
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Best Local Similarity
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PRIOR APPLICATION NUMBER: US
PRIOR FILING DATE: 2000-06-27
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TYPE: PRT
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION UMBER: US/08/810,572A
FILING DATE: 28-FEB-197
CLASSIFICATION: 536
CLASSIFICATION: 536
                                                                                                                     FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: Hom
                                                                                                                                                                      MOLECULE TYPE: PO
                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 134
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TITLE OF INVENTION:
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STATE: New Jersey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET:
                                                                                                                                                                                                                          TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                           TOPOLOGY:
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8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3: David A. Jackson, Esq.
411 Hackensack Ave, Continental Plaza, 4th
                                                                                                                                                                                                                                                           166 amino acids
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nilarity 30.6%;
Conservative
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                                                                                                                     Homo sapiens
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                                                                                                                                                                                                       linear
                                                                                                                                                        N-terminal
                                                                                                                                                                                     peptide
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                                               23.9%; Score 67.5; DB 1; 30.6%; Pred. No. 1.5;
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Pred. No. 0.51;
9; Mismatches 15;
                                  Mismatches
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                                                                Length 166;
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RESULT 16
US-09-782-857A-6
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US-09-290-333-6
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                                                                                                               Sequence 6, Application US/09782857A Patent No. 6500428 GENERAL INFORMATION:
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Patent No. 6316222
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/290,333
FILING DATE: 12-Apr-1999
CLASSIFICATION: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esg., David A.
REGISTRATION NUMBER: 26,742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                      TITLE OF INVENTION: À LYMPHOCYTE SURFACE RECEPTOR THAT BINDS

CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens SEQUENCE DESCRIPTION: SEQ ID NO: 6:
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ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
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NUMBER OF SEQUENCES: 10
                                                                                                 APPLICANT: Bram, Richard J.
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                                                                                                                                                                                                                                                                                                                                                              Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 166 amino acids TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: single
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                                                                              von Bulow, Gotz
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                   CAML, NI
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Pred. No. 1.5;
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ORGANISM: Homo sapiens SEQUENCE DESCRIPTION: SEQ ID NO: 6: US-09-782-857A-6
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                                                                                                                                                                                                                                                                                                                                                                          Sequence 15, Application US/09854864 Patent No. 6774106 GENERAL INFORMATION:
             SOFTWARE: PatentIn version 3.1
SEQ ID NO 15
LENGTH: 166
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                 APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
-09-854-864-15
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APPLICATION NUMBER: US/09/782,857A
FILING DATE: 14-Feb-2001
CLASSIFICATION: <UNknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: peptide HYPOTHETICAL: NO
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FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
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ORIGINAL SOURCE:
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        34 CPEEQYMDPLLGTCMSCKTICNHQS-QRTCAAFCRS 68
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REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-1-007
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSONEYFDSLLHACIPCOLRCSSNTPPLTCORYCNA 43
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STATE: New Jersey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 166 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Floor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23.9%;
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Pred. No. 1.5;
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RESULT 19
US-09-290-333-2
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US-08-810-572A-2
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Best Local S
Matches 11
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                                                                                                                                  Matches
                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/810,
FILING DATE: 28-FEB-1997
CLASSIFICATION: 536
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
                                                                                                                                                                                                                                                                                                                                        TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
ENCIT: 293 amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bram, Ric
APPLICANT: von Bulov
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                             HYPOTHETICAL: N
FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
                                                                                                                                                                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
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TELEPHONE: 201-343-1684
                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Hackensack
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET:
                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                                  34 CPEEQYWDPLIGTCMSCKTICNHQS-QRTCAAFCRS 68
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                                                                                                CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
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von Bulow, Gotz
von Bulow, Gotz
vention: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
                                                                                                                                                                                                                                                                                                                                           293 amino acids
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                                                                                                                                  Conservative
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                                                                                                                                                                                                               Homo sapiens
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                                                                                                                                              23.9%;
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                                                                                                                                 Score 67.5; D
Pred. No. 2.8;
9; Mismatches
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Pred. No. 1.5;
9; Mismatches
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8
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                                                                                                                                                              Length 293;
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                                                                                                                                  1.
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Sequence 2, Application US/09290333; Patent No. 6316222; GENERAL INFORMATION:

APPLICANT: Bram, Richard J

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RESULT 20
US-09-782-857A-2
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GENERAL INFORMATION:
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-1-007 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEPAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/290,333

FILING DATE: 12-Apr-1999

CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LEEGITH: 293 amino acids
TYPE: amino acid
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
FRACMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match 23.9%; Score 67.5; Local Similarity 30.6%; Pred. No. 2.
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                   NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
                                                                                                                                                                                                                     TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF USE
THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VON BUIOW, GOTZ
TITLE OF INVENTION: A LYMPHOCYTE SURFACE RECEPTOR THAT BINDS
CAML, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
                                                                                                                                                                                                                                                                                                                          APPLICANT: Bram, Richard J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                34 CPEEQYMDPLLGTCMSCKTICNHQS-QRTCAAFCRS 68
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                                                                                       CITY: Hackensack
STATE: New Jersey
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                                                                   COUNTRY: USA
                                                                                                                                                        STREET: 411 Hackensack Ave, Continental Plaza, 4th
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                                                                                                                                    Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9; Mismatches
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; SOFTWARE: PatentIn Ver. 2
; SEQ ID NO 22
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-879-919-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; SEQUENCE DESCRIPTION: SEQ ID NO: 2: US-09-782-857A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 22, Applica Patent No. 6541224 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 23.9%;
Best Local Similarity 30.6%;
Matches 11; Conservative 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Yu, Guo-Liang, et al. TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon FILE REFERENCE: PF253P1
                                                                                                                                      PRIOR FILING DATE: 1996-03-14 NUMBER OF SEQ ID NOS: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/879,919
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/016,812
                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/276,248
                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/277,978
PRIOR FILING DATE: 2001-03-23
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TELEPHONE: 201-487-5800
TELEPAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible operating SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                        APPLICATION NUMBER: 08/815,783 FILING DATE: 1997-03-12
                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/211,537
                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/241,952
                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/254,875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRAGMENT TYPE: N-terminal ORIGINAL SOURCE: ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/810,572
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     34 CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-1-007
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single TOPOLOGY: linear
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; LENGTH: 293
; TYPE: PRT
; ORGANISM: Homo s
US-09-854-864-14
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US-09-854-864-14
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APPLICANT: Baker, Kevin
APPLICANT: Ruben, Steve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 14, Application US/09854864
Patent No. 6774106
GENERAL INFORMATION:
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Best Local
                                                                                     Matches
                                                                                                     Query Match
Best Local :
                                                                                                                                                                                                                       SOFTWARE: PatentIn version 3.1 SEQ ID NO 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/848,295
CURRENT FILING DATE: 2001-05-04
PRIOR APPLICATION NUMBER: 60/202,193
PRIOR FILING DATE: 2000-05-05
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70, BCMA,
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Human Tumor Necrosis Factor TR20 and Methods Based
TITLE OF INVENTION: Thereon
                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 31
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APPLICANT: YU, GA
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TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                   Local Similarity
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                CPEEQYWDPLIGTCMSCKTICNHQS-QRTCAAFCRS 68
                                                CSQNEYFDSLIHACIPCQLRCSSNTPPLTCQRYCNA 43
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Pred. No. 2.8;
9; Mismatches
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Pred. No. 2.8;
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Pred. No. 2.8;
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RESULT 26
US-09-854-864-16
; Sequence 16, Application US/09854864
; Patent No. 6774106
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-961-376-2
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APPLICANT: THEILL, LARS EYDE
APPLICANT: YU, GANG
APPLICANT: YU, GANG
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF
TITLE OF INVENTION: BLYS/AGP-3, AND TACI
FILE REFERENCE: A-686B
CURRENT APPLICATION NUMBER: US/09/854,864
CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 31
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CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: 60/254,874
PRIOR FILING DATE: 2000-12-13
PRIOR APPLICATION NUMBER: 60/235,991
PRIOR APPLICATION NUMBER: 60/235,991
PRIOR PPLICATION NUMBER: 09/533,822
PRIOR FILING DATE: 2000-09-26
PRIOR FILING DATE: 2000-03-24
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: 60/188,208
PRIOR FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.1
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Matches
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Conserv
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Patent No. 6774106
                                                                                                                     Query Match
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TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR17
FILE REFERENCE: PF524P1
                                                                                                                                                                               LENGTH: 397
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                  Local
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                                                                                                    Similarity
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  CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS 68
                                    CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
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llarity 30.6%;
Conservative
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                                                                                                                     DB 2;
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RESULT 28
US-10-104-047-2834
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US-10-104-047-2804
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Best Local Similarity
Matches 12; Conserv
                                                  Patent No. 6943241
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. 6943241e1 full length cDNA
FILE REFERENCE: H1-A0105
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE:
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2804
LENGTH: 581
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LENGTH: 67
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THEILL, LARS EYDE
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2834
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CURRENT FILING DATE: 2001-09-11
PRIOR APPLICATION NUMBER: US 60/204,039
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 60/214,591
PRIOR FILING DATE: 2000-06-27
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CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE:
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TITLE OF INVENTION: No. 6943241el full length cDNA
FILE REFERENCE: H1-A0105
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30.8%;
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Pred. No. 13;
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; ORGANISM: Arabidopsis thaliana US-09-950-933A-82
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US-09-949-016-9626
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US-09-949-016-9626
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Query Match 21. Best Local Similarity 35.4 Matches 16; Conservative
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SEQ ID NO 9626
LENGTH: 1106
                                                                                                                                     SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 82
                                                                                                                                                                                                                                                                                                                                                           Sequence 82, Application US/09950933A Patent No. 6875907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF FILE REFERENCE: CL001307 CURRENT APPLICATION NUMBER: US/09/949,016 CURRENT FILING DATE: 2000-04-14 PRIOR APPLICATION.
                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/950,933A CURRENT FILING DATE: 2001-09-11 PRIOR APPLICATION NUMBER: 60/232,569
                                                                                                                                                                                                                                                    APPLICANT: Navarro, Pedro
TITLE OF INVENTION: Antimicrobial Peptides and Methods
TITLE OF INVENTION: Use
FILE REFERENCE: 35718/238472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
                                                                                                                                                                    NUMBER OF SEQ ID NOS: 99
                                                                                                                                                                                      PRIOR FILING DATE: 2000-09-13
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                                                                                                        TYPE: PRT
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TYPE: PRT
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                     21.7%;
35.6%;
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30.8%;
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     7; Mismatches
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Pred. No. 20;
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Pred. No. 39;
6; Mismatches
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                     Score 61.5; D
Pred. No. 4.6;
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GQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRY----CNASVT 46

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RESULT 32
US-09-252-991A-18110
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                                                                                                                                                                                                                         ; Sequence 18110, Applio
; Patent No. 6551795
; GENERAL INFORMATION:
APPLICANT: Marc J. F
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-094-749-2652
                             PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 18110
                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Ver. 2.1 SEQ ID NO 2652
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Patent No. 69795
                                                                                                    FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
                                                                                                                                                                                        APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/350,435
PRIOR FILING DATE: 2002-01-24
PRIOR APPLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/094,749
CURRENT FILING DATE: 2002-03-12
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APPLICANT: OTSUKA, MOTOYUKI
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
FILE REFERENCE: 084335/0160
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 TYPE: PRT
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                    ENGTH: 556
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NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHI
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SATO, HIROYUKI
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Pred. No. 76;
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                  RESULT 35
US-09-561-818A-4
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; Sequence 4, Application US/09561818A
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US-09-270-767-56253
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TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 41037
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                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO 56253
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                                                                                                                                                                                                                                                                            APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
                                                                                                                                                                            TYPE: PRT ORGANISM: Drosophila melanogaster FEATURE:
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TYPE: PRT
ORGANISM: Drosophila melanogaster
                                                                                                                                                         OTHER INFORMATION: Xaa means any amino acid
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455 GRCFKNRQLISHLRYCKKCTI-CSSNI--LRCTRY 486
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                                                                    l Similarity
15; Conserv
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Pred. No. 56;
                                                                                     Score 58.5;
Pred. No. 79;
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Pred. No. 79;
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 8
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GENERAL INFORMATION:
                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                 Sequence 2, Application US/09561818A
Patent No. 6638907
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APPLICANT: Trygyvason, Karl
TITLE OF INVENTION: Laminin 8 and Methods For Its Use
FILE REFERENCE: 99,274-D
CURRENT FAPPLICATION NUMBER: US/09/561,818A
CURRENT FILLING DATE: 2000-04-28
CURRENT FILLING DATE: 2000-04-28
CURRENT FILLING DATE: 2000-04-28
CURRENT FILLING DATE: 2000-04-28
                                                APPLICANT: Kortesmaa, Jarrko
APPLICANT: Tryggvason, Karl
TITLE OF INVENTION: Laminin 8 and Methods For Its Use
FILE REFERENCE: 99,274-D
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APPLICANT: Tryggvason. Karl
                    CURRENT APPLICATION NUMBER: US/09/561,818A
CURRENT FILING DATE: 2000-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT FILING DATE:
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CURRENT FILING DATE: 2000-04-28
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TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50 KG 51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 AGQCSQNEYFDSLLHACIPCQ------LRCSSNTPPLTCQRYCNASVTNSV 49
                                                                                                                                                                                                                                                                                                          KG 51
                                                                                                                                                                                                                                                                                                                                                                                     AGQCSQNEYFDSLLHACIPCQ----
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                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
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                                                                                                                                                                                                                                                                                                                         RESULT 39
US-09-848-295-2
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Best Local Similarity
Matches 13; Conserv
                                                  NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
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Best Local Similarity
Matches 13; Conserv
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TITLE OF INVENTION: Laminin 8 and Methods For Its Use
FILE REFERENCE: 99,274-D
CURRENT APPLICATION NUMBER: US/09/561,818A
CURRENT FILING DATE: 2000-04-28
                                                                                                       PRIOR APPLICATION NUMBER: 60/202,193 PRIOR FILING DATE: 2000-05-05
                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/848,295
CURRENT FILING DATE: 2001-05-04
                                                                                                                                                                                           APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Human Tumor Necrosis Factor TR20 and Methods
TITLE OF INVENTION: Thereon
                                                                                                                                                                                FILE REFERENCE: PF527
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APPLICANT: Tryggvason, Karl
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APPLICANT: Ruben, Stev
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
ORGANISM: Homo sapiens
                  TYPE: PRT
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                                 ENGTH: 142
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Pred. No. 2.
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US-09-848-295-2

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TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION UNMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 46867
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-09-270-767-46867
                                                                                                                           US-09-589-892B-11
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US-09-270-767-46867
; Sequence 46867, Application US/09270767
; Patent No. 6703491
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US-09-270-767-31650
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                                                                                                                                                 RESULT 42
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GENERAL INFORMATION:
APPLICANT: Jenuwein, Thomas
APPLICANT: Laible, Gotz
APPLICANT: O'Carroll, Donal
APPLICANT: Eisenhaber, Frank
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APPLICANT: Homburger et al.
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT FILING DATE: 199-03-17
CURRENT FILING DATE: 199-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 31650
LENGTH: 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Homburger et al.
                                                                                                            Sequence 11, Application US/09589892E
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                                                                                           Patent No. 6689583
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Best Local :
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                                                                                                                                                                                                                                                                                            Local Similarity
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                                                                                                                                                                                                      KCQENSSF----ACPKTNCSLECESGYQMDSNGCPTCECRNYCN 72
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Pred. No.
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Pred. No. 20;
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RESULT 43
US-10-094-749-2573
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TITLE OF INVENTION: Chromatin-Regulator Genes
FILE REFERENCE: 0652.1670001
CURRENT APPLICATION NUMBER: US/09/589,8928
CURRENT FILING DATE: 2000-06-09
PRIOR APPLICATION NUMBER: US 08/945,988
PRIOR FILING DATE: 1997-11-10
PRIOR FILING DATE: 1997-11-10
PRIOR APPLICATION NUMBER: PCT/EP96/01818
PRIOR FILING DATE: 1996-05-02
PRIOR APPLICATION NUMBER: DE 195 16 776.7
PRIOR PILING DATE: 1995-05-10
NUMBER OF SEQ ID NOS: 21
SOFTWARE: Patentin version 3.2
                                                                              US-10-094-749-2573
                                                                                                                                                                                                                                              APPLICANT: NAGAHARÍ, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
FILE REFERENCE: 084335/0160
CURRENT APPLICATION NUMBER: US/10/094,749
CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: 60/350,435
PRIOR FILING DATE: 2002-01-24
PRIOR FILING DATE: 2002-01-24
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    Best Loc
Matches
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Best Local Similarity
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                                                                                                                                                                       PRIOR APLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3381
SOFTWARE: Patentin Ver. 2.1
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ORGANISM: Drosophila melanogaster
                                                                                                                     LENGTH: 824
TYPE: PRT
                                                                                                 ORGANISM: Homo sapiens
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                  Local
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    . Similarity
14; Conserv
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OTSUKI, TETSUJI
WAKAMATSU, AI
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YURI
                                                                                                                                                                                                                                                                                                                                                                                        OTSUKA, MOTOYUKI
NAGAHARI, KENJI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTSUKA, KAUKU
NAGAI, KEIICHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IRIE, RYOTARO
TAMECHIKA, ICHIRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ISHII, SHIZUKO
YAMAMOTO, JUN-ICHI
                                                                                                                                                                                                                                                                                                                                                                                                                                YOSHIKAWA, TSUTOMU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SATO, HIROYUKI
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20.1%;
larity 36.8%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20.1%;
Score 57; DB 2;
Pred. No. 1.5e+02;
6; Mismatches 16
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Pred. No. 1.4e+02;
                                      Length 824;
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CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASV 45

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US-08-276-967-2
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                                                                                                                                                                                                                                                                   RESULT 45
US-10-037-417-6
                                                                            APPLICANT: Kekuda, Ramesh APPLICANT: Alsobrook II, J APPLICANT: Tcherney, Veliz APPLICANT: Liu, Xiaohong APPLICANT: Spytek, Kimberli APPLICANT: Patturajan, Mee APPLICANT: Grosse, William APPLICANT: Lepley, Denise
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2
Patent No.
                                                                                                                                                                                                                                  Sequence 6, Application US/10037417 Patent No. 6903201
                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local Similarity
                                                                                                                                                                                                                    GENERAL INFORMATION:
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APPLICANT: Hardy,
APPLICANT: Garber:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                  APPLICANT:
                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/276,96
FILING DATE: Submitted Herewith
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: UTGELECOMMUNICATION INFORMATION:
TELEPHONE: 713-787-1400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION: NAME: Kitchell, Barbara S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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TITLE OF INVENTION: Species-Specific Egg-Binding Proteins
TITLE OF INVENTION: Sperm
NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: sin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: 713-787-14
TELEFAX: 713-789-2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
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                                                                                                                                                                                                                                                                                                                                      1851 CSAHSVYTSCVPSCLPSCQDPEGQCTGAGAPSTCEEGC 1888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2,
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                                                                                                                                                                                                                                                                                                                                                            8 CSQNEYFDSLLHACIP-CQ---LRCSSNTPPLTCQRYC 41
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                                                                              Patturajan, Meera
Grosse, William M
Lepley, Denise M
                                                                                                                                                                  Alsobrook II, John |
Tchernev, Velizar T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E: Arnold, White & Durkee P. O. Box 4433
                                              Burgess, Catherine E
Vernet, Corine A.M.
                                                                                                                                  Spytek, Kimberly A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2476 amino acids
Gorman, Linda
Edinger, Shlomit R
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linear
                                                                                                                                                                                                                                                                                                                                                                                                                          19.8%;
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                                                                                                                                                                                  John P
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Pred. No. 6.3e
8; Mismatches
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                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Kekuda, Ramesh
APPLICANT: Alsobrook II, John I
APPLICANT: Tcherney, Velizar T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 6
LENGTH: 3597
                                                                                                                                                                                                                                                                                      Sequence 2, Application US/10037417 Patent No. 6903201
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APPLICANT:
APPLICANT:
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APPLICANT:
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NUMBER OF SEQ ID NOS:
SOFTWARE: PatentIn Ver
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CURRENT APPLICATION NUMBER: US/10/037,417
CURRENT FILING DATE: 2002-09-20
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                                                                                   APPLICANT:
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PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: 60/260,360
PRIOR FILING DATE: 2001-01-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same FILE REFERENCE: 21402-235
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PRIOR FILING DATE: 2001-07-05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/272,411 PRIOR FILING DATE: 2001-02-28
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                                                     APPLICANT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/305,060
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                                                                   APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
les 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/318,700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/291,186
                                                                                                                                                                                                                                                                                                                                                                                          1825 ECAPGFYRDVKGLFLGRCVPCQCHGHSDRCLPGSGVCVCQHNTEGAHCER-CQAGFVSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                              7 OCSQNEYFD---SLLHACIPCQLR------CSSNTPPLTCORYCNASVTNS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sciore, Paul
Ellerman, Karen
Malyankar, Uriel M
Rothenberg, Mark
Stone, David J
Boldog, Ferenc L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Taupier Jr, Raymond J
Miller, Charles E
Eisen, Andrew J
                                                                                                                                Patturajan, Meera
Grosse, William M
Lepley, Denise M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Anderson, David W
Padigaru, Muralidhara
                Edinger, Shlomit
Sciore, Paul
Ellerman, Karen
                                                                                                  Burgess, Cathe:
Vernet, Corine
                                                                                                                                                                                  Spytek, Kimberly A
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Malyankar, Uriel M
                                                                  Gorman, Linda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                  Catherine I Corine A.M.
                                                   Shlomit
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                5; Mismatches
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18;

Gaps

PPLICANT:

Guo,

Xiaojia

Rothenberg, Mark Stone, David J Boldog, Ferenc L

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CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR RILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
PRIOR FILING DATE: 2000-09-08
VUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 10932
; TYPE: PRT
; ORGANISM: Human
•US-09-949-016-10932
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US-09-949-016-10932
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PRIOR FILING DATE: 2001-01-08
PRIOR APPLICATION NUMBER: 60/272,411
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: 60/272,817
PRIOR FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: 60/291,186
PRIOR APPLICATION NUMBER: 60/291,186
PRIOR FILING DATE: 2001-05-15
PRIOR FILING DATE: 2001-05-15
                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No.
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Best Local
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TYPE: PRT
ORGANISM: Homo sapiens
-10-037-417-2
                                                                                                                                                                                                                                                                                                                                         APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 21402-235
CURRENT APPLICATION NUMBER: US/10/037,417
CURRENT FILING DATE: 2002-09-20
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NUMBER OF SEQ ID NOS: 227
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PRIOR APPLICATION NUMBER: 60/318,405
PRIOR FILING DATE: 2001-09-10
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                                                 TYPE: PI
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PRIOR FILING DATE: 2001-07-05
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                                                                      3647
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Miller, Charles E
Eisen, Andrew J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Anderson, David W
Padigaru, Muralidhara
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSSNTPPLTCQRYCNASVTNS 48
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                                                                                                                                                                                                        RESULT 49
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                                                                                                                                                                                                                                                                                                                                                                                      ; MOLECULE TYPE: protein US-08-718-388-9
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US-08-718-388-9
                                                                                                                                                                                    US-09-270-767-56958
                                                                                                                                ; Sequence 56958, Application US/09270767; Patent No. 6703491; GENERAL INFORMATION:
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Best Local Similarity
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOPTWARE: PATENTIN Ver. 2.0
SEQ ID NO 56958
                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
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APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE
TITLE OF INVENTION: PROT
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                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: ami
TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,9
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
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12; Conservative
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GY: linear
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703) 205-8050
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33.3%;
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Pred. No. 1.1e+03;
6; Mismatches 19;
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Pred. No. 1.6e
6; Mismatches
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                                                                                                     of Drosophila melanogaster
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RESULT 51
US-09-902-540-11984
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US-09-270-767-41714
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TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-56958
밁
                                                                                                                                           US-09-902-540-11984
                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 11984
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NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 41714
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                                                                       Matches
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                                                                                          Best
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Patent No. 6833447
                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILLING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Homburger et al. TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094 CURRENT APPLICATION NUMBER: US/09/270,767
                                                                                                                                                                                                                                                                                                                       APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: MYXOCOCCUS xanthus Genome Sequences
FILE REFERENCE: 38-10(15849)B
                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Goldman,
                                                                                                                                                            ORGANISM: Myxococcus xanthus
                                                                                                                                                                             LENGTH: 991
TYPE: PRT
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                                                                                        Local Similarity
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453
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                                 3 QMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTC-----QRYCNASVTNSVKG 51
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QVVSACAEDPE-DTALRGCVERPVRAIINTPPTGCSIQAPLPDAVVNAGVPLTLTG 507
                                                                                                                                                                                                                                                                                                                                                                                               Hinkle, Gregory J.
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                                                                       Conservative
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29.2%;
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Pred. No. 1.2e.
8; Mismatches
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                                                                                      Score 55; DB 2;
Pred. No. 3.1e+02;
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Pred. No.
                                                                       Mismatches
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RESULT 52

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; Sequence 32231, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of
FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
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APPLICANT: Kortesmaa, Jarrko
APPLICANT: Tryggvason, Karl
TITLE OF INVENTION: Laminin 8 and Methods For Its Use
FILE REFERENCE: 99,274-D
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Best Local Similarity
Matches 14; Conserv
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO 12
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Best Local :
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TITLE OF INVENTION: Laminin 8 and Methods For Its Use
FILE REFERENCE: 99,274-D
CURRENT APPLICATION NUMBER: US/09/561,818A
CURRENT FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/561,818A CURRENT FILING DATE: 2000-04-28 NUMBER OF SEQ ID NOS: 28
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APPLICANT: Tryggvason, Karl
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TYPE: PRT
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ORGANISM: Mus musculus
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                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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Pred. No. 5.8e+02
                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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                                                                                                                                                                                                                                                                                                                                                             -----LRCSSNTPPLTCORYCNASVINSV 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -----LRCSSNTPPLTCORYCNASVTNSV 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1792;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1816;
                                                                  Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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US-08-999-811-4
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                                                                                                                                     US-08-999-811-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PATENTIN VET. 2.0
SEQ ID NO 32231
LENGTH: 145
                                                                   Matches
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                                                                                                   Query Match
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                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
FILING DATE: 8-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                        TELEFAX: (202)371-2540
INFORMATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Drosophila melanogaster
                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: CAO, LIANG
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR
NUMBER OF ESQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acid
                                                                                                                                                                                                                                                                      NAME: MARKOWICZ, KAREN R.
REGISTRATION INVMBER: 36,351
REFERENCE/DOCKET NUMBER: 149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)371-2600
                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: FILING DATE: HEREW CLASSIFICATION:
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Local Similarity 27.8%;
nes 15; Conservative
                                                                  Local Similarity
les 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: STERNE, KESSLER, (
STREET: 1100 NEW YORK AVENUE
CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4, AFE
NO. 5932540
 258
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20005
                                                                                                                                                                                      amino acid
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QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Application US/08999811
                                 QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS 44
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                                                                                                                                                                                                       350 amino acids
                                                                  19.3%;
ilarity 35.0%;
Conservative
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LIANG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KESSLER, GOLDSTEIN & FOX
                                                                                                                                                                                                                                                                                                                                                                                                                                                US 08/207,550
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                                                                                Score 54.5; DB 1;
Pred. No. 1.2e+02;
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Pred. No. 4
                                                                   Mismatches
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                                                                                                   DB 1;
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                                                                                                Length 350;
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                                                                   Gaps
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US-08-824-996-2
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US-09;042-105-4
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-824-996-2
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APPLICANT: Rosen, Craig A.
APPLICANTON: Polynucelotides Encoding TITLE OF INVENTION: Factor 2
FILE REFERENCE: PF11201
FILE REFERENCE: PF11201
CURRENT APPLICATION NUMBER: US/08/824,996B
CURRENT FILING DATE: 1997-03-27
EARLIER APPLICATION NUMBER: 08/207,550
EARLIER APPLICATION NUMBER: 08/207,550
EARLIER FILING DATE: 1994-03-08
NUMBER OF SEO ID NOS: 9
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Best Local S
Matches 14
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: HU, JI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: ROSEN, CRAAPPLICANT: CAO, LIANG
TITLE OF INVENTION: V
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/042,10
                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: TO BI
FILING DATE: 24-DEC-1997
                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/465,968
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 1100 NEW CITY: WASHINGTON
                                                                                                                                                                                          APPLICATION NUMBER: US FILING DATE: 8-MAR-1994
                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE:
                                                                                                                                                                          CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                ASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               258 QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES
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                                                                                                                                                                                                                                                                                                                                                                                                                                               USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ROSEN, CRAIG A.
                                                                                                                                                                                                                                                                       HEREWITH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LIANG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VASCULAR ENDOTHELIAL GROWTH FACTOR
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Pred. No. 1.2e+02;
2; Mismatches 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GOLDSTEIN & FOX
                                                                                                                                                                                                                                                                                                                                Version #1.30
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US-08-510-133A-33
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GENERAL INFORMATION:
                                                                                    Query Match .
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                    TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: ERIC K. STEFFE REGISTRATION NUMBER: 36 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                            NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28113/32863
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/510,133A
FILING DATE: 01-Aug-1995
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Alitalo, Karı
APPLICANT: Anikov, Vladomir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Receptor Ligand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14;
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QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES 296
                                  OCSONEYFDSLLHACIPCOLRCSSNTP--PLTCORYCNAS 44
                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                           TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: United States of America
                                                                                                                                                                                                                                     LENGTH: 350 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 350 amino acids
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                                                                                       19.3%;
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                                                                    Score 54.5; DB 2;
Pred. No. 1.2e+02;
2; Mismatches 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 54.5; DB 2;
Pred. No. 1.2e+02;
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3
                                                                                                         DB 2;
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US-08-585-895-33
                                                                                                                                                                                                                                                                                                                                                                                               US-10-084-488-4
                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 60
                                                                                                                                                                                                                                                                                                                                     Sequence 4, Application Patent No. 6734285 GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Alitalo, Kari
APPLICANT: Joukov, Vladimir
TITLE OF INVENTION: Receptor Ligand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET:
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                ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATCHILI Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 35
                                                                                                                                                                                                                                                                                             APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14; Conservative
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6245530
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS 44
                                                                                                                                                                             CITY: ROCKVILLE STATE: MD
                                                                                                                                                                                                                                                                                                                                                                            Application US/10084488
                                                                                                                                                          COUNTRY: USA
APPLICATION NUMBER: US/10/084,488
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      350 amino acids
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Pred. No. 1.2e+02;
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ITILE OF INVENTION: Vascular Endothilial Growth Factor 2
FILE REFERENCE: PF11201
CURRENT APPLICATION NUMBER: US/09/499,468
CURRENT FILING DATE: 2000-02-07
PRIOR APPLICATION NUMBER: 60/119,179
PRIOR APPLICATION NUMBER: 60/119,926
PRIOR FILING DATE: 1999-02-12
PRIOR FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: 60/137,796
PRIOR APPLICATION NUMBER: 60/137,796
PRIOR FILING DATE: 1999-06-03
PRIOR FILING DATE: 1999-10-03
PRIOR FILING DATE: 1999-10-03
PRIOR PILING DATE: 1999-12-22
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn version 3.0
·; Sequence
                   RESULT 62
US-09-219-442-4
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                                                                                                                                                                                                                                                                  ; TYPE: PRT ; ORGANISM: homo sapiens US-09-499-468-4
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LENGTH: 350
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Best Local Similarity
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APPLICANT: Rosen, Craig
APPLICANT: et al,
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FILING DATE: 07-Sep-200
APPLICATION NUMBER: US 09/042,105
FILING DATE: 13-MAR-1998
APPLICATION NUMBER: US 09/107,997
FILING DATE: 30-JUN-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 28-Feb-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
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SEQUENCE CHARACTERISTICS:
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                                                                                                    258 QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES 296
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  4, Application US/09219442
                                                                                                                                                                                     14;
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                                                                                                                                            QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: MICHELE M. WALES
REGISTRATION NUMBER: 43,975
REFERENCE/DOCKET NUMBER: PF112PCT3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acids
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ilarity 35.0%;
Conservative
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                                                                                                                                                                                 Score 54.5; DB 2;
Pred. No. 1.2e+02;
2; Mismatches 21;
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Pred. No. 1.2e+02;
2; Mismatches 21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Patent No. 6998386; GENERAL INFORMATION:
APPLICANT: HU, JING
APPLICANT: ROSEN, CI
APPLICANT: CAO, LIA
TITLE OF INVENTION:
                                                                                                                                                                                                                                                    Sequence 2, Application US/08999811 Patent No. 5932540
                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                       GENERAL INFORMATION:
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatil
                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, CETTY: WASHINGTON
                                                                                                                                                                                       APPLICANT: HU, APPLICANT: ROSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, C
STREET: 1100 NEW YORK AVENUE
                                                                                                                                                          TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER:
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FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 36,351
REFERENCE/DOCKET NUMBER: 1488.1000004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET:
                                                 COUNTRY: U
ZIP: 20005
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                                                                                                                                                                                                                                                                                                                                                                                                             14;
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                                                              USA
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                                                                                                                                                                                                      HU, JING-SHAN
ROSEN, CRAIG A.
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compatible
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Pred. No. 1.2e+02;
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                                                                                                                            GOLDSTEIN & FOX
                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
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; MOLECULE TYPE: protein
US-08-999-811-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/09042105 Patent No. 6040157
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APPLICANT:
                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/042,105
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APPLICATION NUMBER: US
FILING DATE: 8-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: PC-I
SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
                                                                                CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: US 08/465,968
                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/207,550
FILING DATE: 8-MAR-1994
                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: HU, JING-SHAN
APPLICANT: ROSEN, CRAIG A
APPLICANT: CAO, LIANG
APPLICANT: CAO, LIANG
APPLICANT: VASCU
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APPLICATION NUMBER: US 08/465,968
PILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
               PRIOR APPLICATION DATA:
APPLICATION NUMBER: TO BE ASSIGNED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn palanaments
                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 1100 CONTROL WASHINGTON
                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               / Match 19.3%; Score 54.5; DB 1; Length 419; Local Similarity 35.0%; Pred. No. 1.4e+02; les 14; Conservative 2; Mismatches 21; Indels 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: MARKOWICZ, KAREN R. REGISTRATION NUMBER: 36,3 REFERENCE/DOCKET NUMBER:
                                                                      APPLICATION NUMBER: US 0 FILING DATE: 06-JUN-1995
                                                                                                                                                                                                      CLASSIFICATION
                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
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24-DEC-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CRAIG A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VASCULAR ENDOTHELIAL GROWTH FACTOR 2
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n Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KESSLER, GOLDSTEIN & FOX
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TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-042-105-2
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:

ADDRESSEE: STERNE, KESSLER, STREET: 1100 NEW YORK AVENUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ALLES OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2 NUMBER OF SEQUENCES: 35
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TELECOMMUNICATION INFORMATION:
                                                                                                              ATTORNEY/AGENT INFORMATI NAME: ERIC K. STEFFE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
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ATTORNEY/AGENT INFORMATION:
NAME: ERIC K. STEFFE
                                                                TELECOMMUNICATION INFORMATION:
                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: TO BE ASSIGNED
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                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: FILING DATE: HEREWI CLASSIFICATION:
                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/465,968 FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: FILING DATE: 8-MAR
                                TELEFAX:
                                                TELEPHONE:
                                                                               REFERENCE/DOCKET NUMBER: 14
                                                                                                                                                   CLASSIFICATION:
                                                                                                                                                                 FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: WASHINGTON
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(202)371-2540
(202)371-00: 2:
                               (202) 371-2540
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                                                (202) 371-2600
                                                                                                                                 INFORMATION:
                                                                                                                                                               24-DEC-1997
                                                                                                                                                                                                                                                                                             UMBER: US 08/207,550
8-MAR-1994
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               18:
                                                                                 1488.1000003/EKS
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Pred. No. 1.4e+02;
2; Mismatches 21;
                                                                                                                                                                                                                                                                                                                                                                                                                 Version #1.30
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US-08-795-430-8
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GENERAL INFORMATION:
APPLICANT: Alitalo, Kari
APPLICANT: Joukov, Vladimir
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APPLICATION NUMBER: PCT/FI
FILING DATE: 01-AUC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/671
FILING DATE: 28-JUN-1996
PRIOR APPLICATION DATA:
                                                                                    INFORMATION FOR SEQ ID NO: 8:
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STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: prot
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                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/5:
FILING DATE: 01-AUG-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
FILING DATE: 14-FEB-
PRIOR APPLICATION DATA:
                                                SEQUENCE CHARACTERISTICS:
LENGTH: 419 amino acid
                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 312/474-6300
                                                                                                                                                                                                                       FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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STATE: Illino
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/795,430
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                 TOPOLOGY:
                                                                                                                  TELEFAX:
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                              : 419 amino acids
amino acid
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TYPE: protein
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: United States of America
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                                                                                                                      312/474-0448
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00 Sears Tower, 233
                 linear
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Protein and Gene, Mutants Thereof, and Uses Thereof
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Pred. No. 1.
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South Wacker Drive
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1.4e+02;
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                                                                                                         Sequence 8, Application US/09355700 Patent No. 6361946 GENERAL INFORMATION:
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GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
APPLICANT: Ludwig Institute for Cancer Research
Helesinki University Licensing
Alitalo, Kari(U.S. only)
Joukov, Vladimir (U.S. only)
TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
Protein and Gene, Mutants Thereof, and Uses Thereof
                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: protein SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Joukov, Vladomir TITLE OF INVENTION: Receptor Ligand NUMBER OF SEQUENCES: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Alitalo, Kari
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              327
                                                                                                                                                                                                                                     327
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                                                                                                                                                                                                                                                                         7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                 QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES
                                                                                                                                                                                                                                                                       QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 01-Aug-1995
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OCGANREFDENTCOCV-CKRTCPRNOPLNPGKCACECTES 365
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Gass, David A. REGISTRATION NUMBER: 38,153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Chicago
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Marshall,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/510,133A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 419 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6300 Sears
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35.0%;
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                                                                                                                                                                                                                                                                                                         Score 54.5; DB 2;
Pred. No. 1.4e+02;
2; Mismatches 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      l, O'Toole, Gerstein, Murray & Borun
Tower, 233 South Wacker Drive
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                            Length 419;
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RESULT 69
US-09-355-700-58
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Best Local Similarity
Thes 14; Conserv
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                                                                                                                                                                                                Patent No. 6361946
GENERAL INFORMATION:
                                                                                                                                                                                                                                          Sequence 58,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
                                                                   Helsinki University Licensing
Alitalo, Kari(U.S. only)
Joukov, Vladimir (U.S. only)
TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
Protein and Gene, Mutants Thereof, and Uses Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 28967/34140 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 08/340,011
FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/795,430
FILING DATE: 05-FEB-1997
APPLICATION NUMBER: PCT/F196/00427
FILING DATE: 01-AUG-1996
APPLICATION NUMBER: 08/671,573
FILING DATE: 28-JUN-1996
APPLICATION NUMBER: 08/601,132
FILING DATE: 18EE 108/601,132
                                                                                                                                                                                                                                                                                                                                           QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES 365
                                                                                                                                                                                                                                                                                                                                                                              QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS 44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Chicago
STATE: Illinois
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APPLICATION NUMBER: 08/585,895
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                                                                                                                                                                                                                                          Application US/09355700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 419 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                      19.3%;
ilarity 35.0%;
Conservative
                                                                                                                                                                                  Ludwig Institute for Cancer Research
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                      2;
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Pred. No. 1.4e+02;
2; Mismatches 21;
                                                                                                                                                                                                                                                                                                                                                                                                                        21;
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 58:
STREET: 6300 :
CITY: Chicago
                                       ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                       327
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STATE: Illinois
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acids
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 312/474-0448
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Sequence 33, Application US/08601132 Patent No. 6403088
                                        APPLICANT: Alitalo, Kari
APPLICANT: Joukov, Vladimir
TITLE OF INVENTION: Receptor Ligand
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PETENTIN Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: 156
OTHER INFORMATION: /note= "codon 156 can be anything other than cysteine, or can be nothing"
SEQUENCE DESCRIPTION: SEQ ID NO: 58:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                             7 QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS 44
                                                                                                                                                                                                                                                                                                                                                             QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES 365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/355,700 FILING DATE: 05-No. 6361946-1999 CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 01-AUG-1995
APPLICATION NUMBER: 08/340,011
FILING DATE: 14-NOV-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/F196/00427
FILING DATE: 01-AUG-1996
APPLICATION NUMBER: 08/671,573
FILING DATE: 28-JUN-1996
APPLICATION NUMBER: 08/601,132
FILING DATE: 14 FEB 1806
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 38,153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 08/510,133
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E: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 54.5; DB 2;
Pred. No. 1.4e+02;
2; Mismatches 21;
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Illinois

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RESULT 71
US-08-706-054A-3
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GENERAL INFORMATION:
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 419 amino acid
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acids
TOPOLOGY: 1:-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28113/33118
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 25-3856
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                     MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION DATA: US/08/706,054A
FILING DATE: 30-Aug_1996
                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: P-40,378
                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/003491
FILING DATE: 08-Sep-1995
                                                                                                                                                                                                                                                                                                                                       ZIP: 94080
COMPUTER READABLE FORM:
                                   REFERENCE/DOCKET NUMBER: P0963R1 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wood, William I.
TITLE OF INVENTION: VEGF-Related Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        327
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                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                  STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
                                                                                                                                                                                         CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Genentech,
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19.3%; ilarity 35.0%; Conservative
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Pred. No. 1.4e+02;
2; Mismatches 21;
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; NAME/KEY: Human
; LOCATION: 1-419
; OTHER INFORMATION: S
; Patent No. 6576608
US-09-313-299-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Lee, James
APPLICANT: Wood, William I.
FILL OF INVENTION: VEGF-RELATED PROTEIN
FILE REFERENCE: P0963RLD1
CURRENT APPLICATION UNMEER: US/09/313,299B
CURRENT FILING DATE: 1999-05-17
EARLIER FILING DATE: 1996-08-30
EARLIER APPLICATION NUMBER: US 60/003,491
EARLIER APPLICATION TOWNEER: US 60/003,491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: Linear SEQUENCE DESCRIPTION: SEQ ID NO: US-08-706-054A-3
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US-08-465-968-2
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                                                                                                                                                                                                                                                          Sequence 2, Application US/08465968E Patent No. 6608182
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Best Local S
                                                                   SEQ ID NO 2
                                                                                                                                                                                                                                          GENERAL INFORMATION:
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Best Local (
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                                                                                CURRENT APPLICATION NUMBER: US/08/465,968E CURRENT FILING DATE: 1995-06-06 EARLIER APPLICATION NUMBER: 08/207,550 EARLIER FILING DATE: 1994-03-08 NUMBER OF SEQ ID NOS: 10 SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                         APPLICANT: Rosen et al. TITLE OF INVENTION: Vascular Endothelial Growth Factor FILE REFERENCE: PF112P1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTERISTICS:
              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Human
FEATURE:
                                               ENGTH: 419
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       19.3%;
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Pred. No. 1.4e+02;
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Pred. No. 1.4e+02;
2; Mismatches 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 2;
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RESULT 75
US-09-438-046-14
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US-08-671-573B-33
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Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                                                                                                                                                  ; MOLECULE TYPE: protein US-08-671-573B-33
                   Sequence 14, Application US/09438046 Patent No. 6706687
GENERAL INFORMATION:
                                                                                                                                                                                                                     Query Match 19.3%; Score 54.5; DB 2; Length 419; Best Local Similarity 35.0%; Pred. No. 1.4e+02; Matches 14; Conservative 2; Mismatches 21; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,573B
FILING DATE: 28-JUN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/601,132
FILING DATE: 14-FEB-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,895
PRIOR APPLICATION NUMBER: 08/585,895
ETILUME DATE: 12-IN-1006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description US/08671573B Patent No. 6645933
                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 12-JAN-1996
PRIOR APPLICATION DATA:
PAPPLICATION NUMBER: 08/510,133
FILING DATE: 01-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Alitalo, APPLICANT: Joukov,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28967/33348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 5
                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 25-3856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Joukov, Vladimir
TITLE OF INVENTION: Receptor Ligand
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: 312/474-0448
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CITY: Chicago
                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
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                                                                                                                                           327 OCGANREFDENTCOCV-CKRTCPRNQPLNPGKCACECTES 365
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amino acid
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Sequence 33, Application US/09631092B
Patent No. 6730658
GENERAL INFORMATION:
APPLICANT: Alitalo et al.
TITLE OF INVENTION: RECEPTOR LIGAND VEGF-C
FILE REFERENCE: 28967/33348A
CURRENT APPLICATION NUMBER: US/09/631,092B
CURRENT FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: 08/671,573
PRIOR APPLICATION NUMBER: 08/671,573
PRIOR FILING DATE: 1996-06-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ALITALO, KARI
APPLICANT: ALITALO, KARI
APPLICANT: COSTMAN, ARTE
APPLICANT: HELDIN, CARI-Henrik
TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D,
TITLE OF INVENTION: THEREFOR, AND USES THEREOF
FILE REFERENCE: UIf Eriksson et al 164-44833
CURRENT APPLICATION UNMBER: US/09/438,046
CURRENT FILING DATE: 1999-11-10
EARLIER APPLICATION NUMBER: 60/107,852
FEARLIER FILING DATE: 1999-12-28
EARLIER APPLICATION NUMBER: 60/113,997
EARLIER APPLICATION NUMBER: 60/150,604
EARLIER APPLICATION NUMBER: 60/150,604
EARLIER FILING DATE: 1999-08-26
EARLIER APPLICATION NUMBER: 60/157,108
EARLIER APPLICATION NUMBER: 60/157,108
EARLIER APPLICATION NUMBER: 60/157,756
EARLIER FILING DATE: 1999-10-05
NUMBER: 05 SEQ ID NOS: 31
NUMBER: DATE: 1999-10-05
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                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 08/601,132
PRIOR FILING DATE: 1996-02-14
PRIOR APPLICATION NUMBER: 08/585,895
PRIOR FILING DATE: 1996-01-12
PRIOR APPLICATION NUMBER: 08/510,133
PRIOR FILING DATE: 1995-08-01
NUMBER OF SEQ ID NOS: 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PATENTIN VER. 2.0
SEQ ID NO 14
LENGTH: 419
TYPE: PRT
                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn version 3.2 SEQ ID NO 33
                                                                                            Query Match 19.3%; Score 54.5; DB 2; Best Local Similarity 35.0%; Pred. No. 1.4e+02; Matches 14; Conservative 2; Mismatches 21.
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                  TYPE: PRT ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                   LENGTH: 419
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327 OCGANREFDENTCOCV-CKRTCPRNOPLNPGKCACECTES 365
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LEE, Xuri
                                              QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS
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                                                                                               21;
                                                                                                                                        Length 419;
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                                                                                               Indels
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RESULT 78

US-10-084-488-18

Sequence 18, Application US/10084488

Patent No. 6734285

APPLICANT: Human Genome Sciences, Inc.

TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESSE: HUMAN GENOME SCIENCES, INC.

STREET: 9410 KEY WEST AVENUE
                                                                                                                                                                                                                                                                                                                                                 밁
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US-10-084-488-2
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Patent NO. 6734285
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
NUMBER OF SEQUENCES: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/623,725
FILING DATE: 07-Sep-2000
APPLICATION NUMBER: US 09/042,105
FILING DATE: 13-MAR-1998
APPLICATION NUMBER: US 09/107,997
FILING DATE: 30-JUN-1998
ATTORNEY/AGENT INFORMATION:
NAME: MICHELE M. WALLES
                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
les 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/084,488

FILING DATE: 28-Feb-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: (301)309-8504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: <Unknown> PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC
STREET: 9410 KEY WEST AVENUE
                                                                                                                                                                                                                                                                                                                                                 327
                                                                                                                                                                                                                                                                                                                                                                                        7 QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS 44
                                                                                                                                                                                                                                                                                                                                                 OCGANREFDENTCOCV-CKRTCPRNOPLNPGKCACECTES 365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 419 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 43,975 REFERENCE/DOCKET NUMBER: PF
ZIP: 20850
                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
                                                                                                                                   Query Match 19.3%;
Best Local Similarity 35.0%;
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: SCREENING AND THERAPY FOR LYMPHATIC DISORDERS INVOLVING TITLE OF INVENTION: THE FLT4 RECEPTOR TYROSINE KINASE (VEGER-3) FILE REFERENCE: 29867/33255A CURRENT APPLICATION NUMBER: US/09/375,248 CURRENT FILING DATE: 1999-08-16 EARLIER APPLICATION NUMBER: PCT/US99/06133 EARLIER FILING DATE: 1999-03-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ferrell, Robert E. APPLICANT: Alitalo, Kari APPLICANT: Finegold, David N. APPLICANT: Karkkainen, Marika
                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (301)309-8504
TELEFAX: (301)309-8439
INFORMATION FOR SEQ ID NO: 18:
                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 419
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/084,488
FILING DATE: 28-Feb-2002
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/9/623,725
FILING DATE: 07-Sep-2000
APPLICATION NUMBER: US/9/623,725
FILING DATE: 13-MAR-1998
APPLICATION NUMBER: US/9/107,997
FILING DATE: 13-MAR-1998
APPLICATION NUMBER: US/9/107,997
FILING DATE: 30-JUN-1998
APTORNEY/AGENT INFORMATION:
NAME: MICHELE M. WALES
DECTORDATION MALES

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MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
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REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
327 OCGANREFDENTCOCV-CKRTCPRNOPLNPGKCACECTES 365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION:
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                                                                     QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS 44
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Pred. No. 1.4e+02;
2; Mismatches 21;
                                                                                                                                           Score 54.5; DB 2;
Pred. No. 1.4e+02;
2; Mismatches 21;
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RESULT 81
US-09-534-376A-8
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CURRENT FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: GB 9828377.3
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: US 60/124,967
PRIOR APPLICATION NUMBER: US 60/124,967
PRIOR FILING DATE: 1999-03-18
PRIOR PPLICATION NUMBER: US 60/164,131
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 130
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                    PRIOR APPLICATION NUMBER: 08/
PRIOR FILING DATE: 1996-06-28
PRIOR APPLICATION NUMBER: 08/
PRIOR FILING DATE: 1996-02-14
PRIOR APPLICATION NUMBER: 08/
                                  PRIOR FILING DATE: 1995-08-01
PRIOR APPLICATION NUMBER: 08/
PRIOR FILING DATE: 1994-11-14
                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 09/:
PRIOR FILING DATE: 1999-11-05
PRIOR APPLICATION NUMBER: PCT;
PRIOR FILING DATE: 1998-02-02
PRIOR FILING DATE: 1998-02-02
PRIOR APPLICATION NUMBER: 08/
                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: PCT
PRIOR FILING DATE: 1996-08-01
                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/534,376A
CURRENT FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: 09/355,700
                                                                                             PRIOR FILING DATE: 1996-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Joukov,
TITLE OF INVENTION:
TITLE OF INVENTION:
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APPLICANT: Sprengel, Jorg
                                                                                                                                                                                                                                                                                     PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE:
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                       NUMBER OF SEQ ID NOS:
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TYPE: PRT
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No. 681822,
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PatentIn Ver. 2.0
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Dhanaraj, Sridevi N
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Yon, Jeffery R
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                                                                                                                     1996-01-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VASCULAR ENDOTHELIAL GROWTH FACTOR C (VEGF-C) PROTEIN
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                                                         08/340,011
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Pred. No. 1.4e.
2; Mismatches
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L.4e+02;
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RESULT 83
US-09-169-079-21
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PRIOR FILING DATE: 1999-11-05
PRIOR APPLICATION NUMBER: PCT/US98/019:
PRIOR APPLICATION NUMBER: 08/795,430
PRIOR APPLICATION NUMBER: PCT/F196/004:
PRIOR APPLICATION NUMBER: PCT/F196/004:
PRIOR APPLICATION NUMBER: PCT/F196/004:
PRIOR APPLICATION NUMBER: PCT/F196/004:
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; LENGTH: 419
; TYPE: PRT
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SEQ ID NO 58
                                                                                                                                       Matches
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Patent No. 6818220
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Best Local (
                                                                                                                                                                        Query Match
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TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR C (VEGF-C)
TITLE OF INVENTION: AND GENE, MUTANTS THEREOF, AND USES THEREOF
FILE REFERENCE: 28967/34140A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/534,376A
CURRENT FILING DATE: 2000-03-24
                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 1996-0
                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: VEGF-C delta Cys156 mutant OTHER INFORMATION: At position 156, "Xaa" can be anything other than cysteine or OTHER INFORMATION: nothing
                                                                                                                                                                                                                                                                                      TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                    ENGTH: 419
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                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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                                                                                                    7 QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS
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                                                                     OCGANREFDENTCOCV-CKRTCPRNOPLNPGKCACECTES
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                                                                                                                                       Conservative
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                                                                                                                                                       19.3%;
35.0%;
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Pred. No. 1.4e+02;
2; Mismatches 21;
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                                                                                                                                     Score 54.5; DB 2;
Pred. No. 1.4e+02;
2; Mismatches 21;
                                                                                                                                                                        Length 419;
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; Sequence 21, Application US/09169079
Patent No. 6824777
; GENERAL INFORMATION:
APPLICANT: Alitalo, Kari
; APPLICANT: Kaipainen, Arja

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GENERAL INFORMATION:
APPLICANT: Alitalo, Kari
APPLICANT: Yl-Herttuala, Seppo
APPLICANT: Hiltunen, Mikko O
APPLICANT: Jeltsch, Markku M
APPLICANT: Achen, Marc G
                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-214-982-29
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US-09-214-982-29
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; ORGANISM: Homo sapiens
US-09-169-079-21
                                                                                                                                                                                            RESULT 85
US-09-427-657-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Hirata, Yuichi
APPLICANT: Nezu, Junichi
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Patent No. 6828426
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                                                                                                                                                      Sequence 2, Application US/09427657 Patent No. 6958147
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Nezu, Junichi
TITLE OF INVENTION: No. 6828426el VEGF-like Factor
FILE REFERENCE: 50026/01/4001
CURRENT APPLICATION NUMBER: US/09/214,982
CURRENT FILING DATE: 1999-01-14
EARLIER APPLICATION NUMBER: 8-185216 Japan
EARLIER FILING DATE: 1996-07-15
MUMBER OF SEQ ID NOS: 34
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CURRENT APPLICATION NUMBER: US/09/169,079
CURRENT FILING DATE: 1998-10-09
EARLIER APPLICATION NUMBER: 08/901,710
EARLIER FILING DATE: 1997-07-28
EARLIER APPLICATION NUMBER: 08/340,011
EARLIER FILING DATE: 1994-11-14
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EARLIER FILING DATE: 1994-07-09
EARLIER APPLICATION NUMBER: 07/959,951
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Valtola, APPLICANT: Jussila, TITLE OF INVENTION:
                    TITLE OF INVENTION: Use of VEGF-C or VEGF-D Gene or Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
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28967/35601A
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Pred. No. 1.4e+02;
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Pred. No. 1.4e+02;
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-427-657-2
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US-09-795-006A-22
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APPLICANT: Alitalo et al
APPLICANT: Alitalo et al
TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR
TITLE OF INVENTION: ENDOTHELIAL GROWTH FACTOR DNAS AND PROTEINS
FILLE REFERENCE: 28967/35977B
CURRENT FILLING DATE: 2001-02-26
PRIOR APPLICATION NUMBER: US 60/205,331
PRIOR FILING DATE: 2000-05-18
PRIOR FILING DATE: 2000-05-18
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CURRENT FILING DATE: 1999-10-26
EARLIER APPLICATION UNMEER: US 60/105,587
EARLIER FILING DATE: 1998-10-26
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 2
                                                                                                                                                                                                                                                        Sequence 2, Application US/08743868
Patent No. 6994989
GENERAL INFORMATION:
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Patent No. 6965010
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Best Local (
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PRIOR FILING DATE: 2000-02-25
NUMBER OF SEQ ID NOS: 175
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
SOFTWARE: Microsoft Word, Version 5.1a
                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                            APPLICANT: Lyman, S
TITLE OF INVENTION:
                                                                                                                                               ADDRESSEE: Immunea Corpersity Street
                                                                                                                             STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
                                                                                       ZIP: 98101
                                                                                                         COUNTRY:
                                                                                                                                           CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                327 OCGANREFDENTCOCV-CKRTCPRNOPLNPGKCACECTES
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Similarity 35.0%;
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35.0%;
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Pred. No. 1.4e+02;
2; Mismatches 21,
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Pred. No. 1.4e+02;
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; LENGTH: 419
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-499-468-2
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                                                                    US-09-219-442-2
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CURRENT FILING DATE: 2000-02-07
PRIOR APPLICATION NUMBER: 60/119,179
PRIOR TILING DATE: 1999-02-08
PRIOR FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: 60/137,796
PRIOR FILING DATE: 1999-06-03
PRIOR PILING DATE: 1999-06-03
PRIOR APPLICATION NUMBER: 60/137,796
PRIOR APPLICATION NUMBER: 60/137,505
PRIOR FILING DATE: 1999-12-22
                                                                                           RESULT 89
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                    Sequence 2, Application US/09219442 Patent No. 6998386
                                                                                                                                                                                                                                                              Query Match 19.3%; Score 54.5; DB 2; Length 419; Best Local Similarity 35.0%; Pred. No. 1.4e+02; Matches 14; Conservative 2; Mismatches 21; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
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APPLICANT: et al,
TITLE OF INVENTION: Vascular Endothilial Growth Factor
FILE REFERENCE: PF112U1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2837
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: protein
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ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/554,374
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APPLICATION NUMBER: US/08/743,868
FILING DATE: 05-NOV-1996
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Local Similarity 35.0%;
es 14; Conservative
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                                                                                                                                                                  327 OCGANREFDENTCOCV-CKRTCPRNOFLNPGKCACECTES 365
                                                                                                                                                                                                                7 OCSONEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS
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Pred. No. 1.4e+02;
2; Mismatches 21;
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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-219-442-2
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Best Local Similarity
                                                                                                                                                                                                                                                                                                         APPLICANT: Alitalo, Kari
APPLICANT: Kaipainen, Arja
APPLICANT: Valtola, Reija
APPLICANT: Ussila, Lotta
TITLE OF INVENTION: Flt4 (VEGFR-3) as a Target
FILE REFERENCE: 28113/34891
CURRENT APPLICATION NUMBER: US/09/765,534B
CURRENT FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 08/257,754
PRIOR FILING DATE: 1994-07-09
PRIOR APPLICATION NUMBER: 07/959,951
PRIOR FILING DATE: 1992-10-09
                                                                                                                                                      PRIOR APPLICATION NUMBER: 08/901,710
PRIOR TILING DATE: 1997-07-28
PRIOR APPLICATION NUMBER: 08/340,011
PRIOR FILING DATE: 1994-11-14
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APPLICANT: ROSEN, CRAIG A.
APPLICANT: CAO, LIANG
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR
RUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS: 15
COR
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patenth Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: MARKOWICZ, KAREN R.
REGISTRATION NUMBER: 36,351
REFERENCE/DOCKET NUMBER: 14,
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)371-2600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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APPLICATION NUMBER:
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS 44
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1100 NEW YORK AVENUE
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                          for Tumor Imaging and Anti-Tumor Therap
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RESULT 92
US-09-747-371-3
; Sequence 3, Application US/09747371
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-765-534B-21
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PCT-US96-09001-2
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                                                                                                                                                                             Matches
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Best Local Similarity 35.0%;
Matches 14; Conservative
                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/465
FILING DATE: 6 JUN 95
APPLICATION NUMBER: 08/207
FILING DATE: 8 MAR 1994
ATTORNEY/AGENT INFORMATION:
NAME: FERRARO, GREGORY D.
REGISTRATION NUMBER: 36,13:
                                                                                                                                                                                                                                                                                                                                                TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 419 AMINO ACIDS
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09001
                                                                                                                                                                                                                                                                       STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 32
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
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MEDIUM TYPE: 3.5 INCH DISKETTE
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                                                                                                                                                                       y Match 19.3%; Score 54.5; DB 5; Length 419; Local Similarity 35.0%; Pred. No. 1.4e+02; hes 14; Conservative 2; Mismatches 21; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN, ADDRESSEE: CECCHI, STEWART & OLSTEIN STREET: 6 BECKER FARM ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION:
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STATE: NEW JERSEY
                                                                                                                                                                                                                                                                                                                                TYPE: AMINO ACID
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                                                                                                QCGANREFDENTCQCV-CKRTCPRNQPLNPGKCACECTES 365
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                                                                                                                                    QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS
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Pred. No. 1.4e+02;
2; Mismatches 21;
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; LENGTH: 997
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-747-371-3
RESULT 94
US-10-037-182-2
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US-10-037-182-36
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GENERAL INFORMATION:
                                                                                                                                                                    Query Match 19.3%; Score 54.5; DB 2; Best Local Similarity 26.7%; Pred. No. 1.1e+03; Matches 16; Conservative 6; Mismatches 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sequence 36, App. Patent No. 693327
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                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/037,182
CURRENT FILLING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 60/257,449
PRIOR FILING DATE: 2000-12-21
PRIOR APPLICATION NUMBER: 60/279,282
PRIOR FILING DATE: 2001-03-28
PRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Thyboll, Jill
TITLE OF INVENTION: Recombinant Laminin 10
FILE REFERENCE: 99-274-F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Tryggvason, Karl
APPLICANT: Doi, Masayuki
APPLICANT: Thyboll, Jill
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APPLICANT: Mack, David
                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                ENGTH: 2743
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                                                                                    1844 ECAPGFYRDVKGLFLGRCVPCQCHGHSDRCLPGSGVCVDCQHNTEGAHCER-CQAGFMSS 1902
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                                                                                                                             QCSQNEYFD---SLLHACIPCQ-----
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Pred. No. 3.6e+02;
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                                                                                                                             --LRCSSNTPPLTCQRYCNASVTNS 48
                                                                                                                                                                                                                  Length 2743;
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GENERAL INFORMATION:
APPLICANT: Tryggvason, Karl
APPLICANT: Doi, Masayuki
APPLICANT: Thyboll, Jill
TITLE OF INVENTION: Recombinant Laminin 10
FILE REFERENCE: 99-274-F
CURRENT APPLICATION NUMBER: US/10/037,182
CURRENT FILING DATE: 2001-12-21

Sequence 2, Application US/10037182 Patent No. 6933273

PRIOR APPLICATION NUMBER: 60/257,449 PRIOR FILING DATE: 2000-12-21

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US-09-621-976-6330
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CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 6330
LENGTH: 98
PITILE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6822072

FILE REFERENCE: GENSET.025CP1
CURRENT APPLICATION NUMBER: US/09/471,276
CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBER: 09/057,719
EARLIER APPLICATION NUMBER: 09/057,719
EARLIER APPLICATION NUMBER: 09/069,047
EARLIER APPLICATION NUMBER: 09/069,047
EARLIER FILING DATE: 1998-04-28
EARLIER FILING DATE: 1998-04-28
EARLIER FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 1622
SOFTWARE: Patent.pm
                                                                                                                                                                                                                                                                                                                        Sequence 1590, Application US/09471276 Patent No. 6822072 GENERAL INFORMATION:
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PRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PATENTIN VET. 2.0
SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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Patent No. 663906
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Matches 16; Conserv
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ORGANISM: Homo sapiens
-09-621-976-6330
                                                                                                                                                                                                                                                            APPLICANT: Dumas Milne Edwards, J.B. APPLICANT: Duclert A. APPLICANT: Giordano, J.Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins
FILE REFERENCE: GENSET 054PR2
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TYPE: PRT
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; TYPE: PRT
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Best Local Similarity
Watches 8; Conserva
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                                                                                                                                                                       SOFTWARE: PatentIn
SEQ ID NO 19
LENGTH: 282
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SEQ ID NO 12
LENGTH: 282
TYPE: PRT
TYPE: PRT
ORGANISM: TSAP 3
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                                                                                           Query Match
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                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/544,618
CURRENT FILING DATE: 2000-03-06
NUMBER OF SEQ ID NOS: 22
                                                                                                                                                                                                                                                                     APPLICANT: Amson, Robert
APPLICANT: Cohen, Daniel
TITLE OF INVENTION: AGENTS OF USE IN TREATING CANCER
FILE REFERENCE: 065691-0139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: NUCLEOTIDE SEQUENCES, TITLE OF INVENTION: AGENTS OF USE IN TREFILE REFERENCE: 065691-0139
CURRENT APPLICATION NUMBER: US/09/544,618
CURRENT FILING DATE: 2000-03-06
NUMBER OF SEQ ID NOS: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Telerman,
APPLICANT: Amson, R
APPLICANT: Cohen, D
                                                                                                                                                         LENGTH: 28
TYPE: PRT
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                                                                             Local Similarity
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                              14 FDSLLHACIPCO---LRCSSNTPPLTCORYCNA-----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ch 19.1%; Score 54; DB 1 Similarity 34.0%; Pred. No. 1.10 17; Conservative 3; Mismatches
 FDYVLPPILQCQSGHLVCSNCRPKLTCCPTCRGPLGSIRNLAMEKVANSV 94
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Cohen, Daniel
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34.0%;
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Pred. No.
                                                                           Score 54; DB 2;
Pred. No. 1.1e+02;
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Sequence 25721, Application US/09252991A

Retent No. 6551795
GENERAL INFORMATION:
APPLICANT: MATC J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107106, 136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 25721
LENGTH: 431
TYPE: PAT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25721
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Patent No. 6638734

GENERAL INFORMATION:
APPLICANT: John C. Reed
APPLICANT: John C. Reed
TITLE OF INVENTION: Nucleic Acid Encoding Proteins Involved
TITLE OF INVENTION: In Protein Degradation, Products and Methods Related Thereto
FILE REFERENCE: p-LJ 4220
CURRENT APPLICATION NUMBER: US/09/591,694
CURRENT APPLICATION NUMBER: US/09/591,694
CURRENT FILING DATE: 2000-06-09
EARLIER APPLICATION NUMBER: US 09/330,517
EARLIER FILING DATE: 1999-06-11
NUMBER OF SEQ ID NOS: 49
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 298
TYPE: PAT
ORGANISM: Homo sapien
US-09-591-694-2
Search completed: July 10, 2006, 16:42:55 Job time : 37 secs
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US-09-252-991A-25721
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Best Local Similarity 34.0%;
Matches 17; Conservative 3
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Best Local S
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Pred. No. 1.1e+02;
3; Mismatches 16
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Title:
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Maximum DB
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73 51 18.0 304 2 74 51 18.0 310 2 75 51 18.0 311 2 76 51 18.0 314 2 77 51 18.0 326 1 77 51 18.0 327 2 78 51 18.0 348 2	69 51 18.0 235 2 70 51 18.0 247 2 71 51 18.0 265 2 72 51 18.0 289 2	66 51 18.0 206 2 67 51 18.0 216 2 68 51 18.0 229 2	64 51 18.0 201 2 65 51 18.0 206 2	62 51 18.0 201 2 63 51 18.0 201 2	59 51 18.0 197 2 60 51 18.0 197 2 61 51 18.0 197 2	57 51 18.0 192 2 58 51 18.0 193 2	55 51 18.0 192 2 56 51 18.0 192 2	54 51 18.0 189 2 54 51 18.0 189 2	51 51 18.0 184 2 52 51 18.0 185 2	49 51 18.0 181 2 50 51 18.0 183 1	47 51 18.0 166 2 48 51 18.0 179 2	945 51 18.0 159 2 946 51 18.0 160 2	42 51 18.0 158 2 43 51 18.0 158 2 44 51 18.0 158 2	40 51 18.0 151 2 41 51 18.0 158 2	36 51 18.0 144 2 39 51 18.0 144 2	35 51 18.0 138 2 36 51 18.0 141 2	33 51 18.0 137 2 34 51 18.0 138 2	31 51 18.0 137 2 32 51 18.0 137 2	29 51 18.0 137 2 30 51 18.0 137 2	27 51 18.0 137 2 28 51 18.0 137 2	25 51 18.0 137 2 26 51 18.0 137 2	23 51 18.0 137 2 24 51 18.0 137 2	21 51 18.0 137 2 22 51 18.0 137 2	19 51 18.0 128 2 20 51 18.0 137 2	18 51 18.0 128 2	15 51 18.0 /9 2 16 51 18.0 95 2	13 51 18.0 54 2 14 51 18.0 77 1	911 51.5 18.2 3033 2 912 51.5 18.2 3033 2	909 51.5 18.2 2938 2 910 51:5 18.2 3033 2
73 51 18.0 304 74 51 18.0 310 75 18.0 311 76 51 18.0 314 77 51 18.0 326 77 51 18.0 327 79 51 18.0 327 79 51 18.0 327	69 51 18.0 235 2 70 51 18.0 247 2 71 51 18.0 265 2 72 51 18.0 289 2	66 51 18.0 206 2 67 51 18.0 216 2 68 51 18.0 229 2	64 51 18.0 201 2 65 51 18.0 206 2	62 51 18.0 201 2 63 51 18.0 201 2	59 51 18.0 197 2 60 51 18.0 197 2 61 51 18.0 197 2	57 51 18.0 192 2 58 51 18.0 193 2	55 51 18.0 192 2 56 51 18.0 192 2	54 51 18.0 189 2 54 51 18.0 189 2	51 51 18.0 184 2 52 51 18.0 185 2	49 51 18.0 181 2 50 51 18.0 183 1	47 51 18.0 166 2 48 51 18.0 179 2	945 51 18.0 159 2 946 51 18.0 160 2	42 51 18.0 158 2 43 51 18.0 158 2 44 51 18.0 158 2	40 51 18.0 151 2 41 51 18.0 158 2	36 51 18.0 144 2 39 51 18.0 144 2	35 51 18.0 138 2 36 51 18.0 141 2	33 51 18.0 137 2 34 51 18.0 138 2	31 51 18.0 137 2 32 51 18.0 137 2	29 51 18.0 137 2 30 51 18.0 137 2	27 51 18.0 137 2 28 51 18.0 137 2	25 51 18.0 137 2 26 51 18.0 137 2	23 51 18.0 137 2 24 51 18.0 137 2	21 51 18.0 137 2 22 51 18.0 137 2	19 51 18.0 128 2 20 51 18.0 137 2	18 51 18.0 128 2	15 51 18.0 /9 2 16 51 18.0 95 2	13 51 18.0 54 2 14 51 18.0 77 1	911 51.5 18.2 3033 2 912 51.5 18.2 3033 2	909 51.5 18.2 2938 2 910 51.5 18.2 3033 2
73 51 18.0 304 2 74 51 18.0 310 2 75 51 18.0 311 2 76 51 18.0 314 2 77 51 18.0 326 1 77 51 18.0 327 2 78 51 18.0 348 2	69 51 18.0 235 2 70 51 18.0 247 2 71 51 18.0 265 2 72 51 18.0 289 2	66 51 18.0 206 2 67 51 18.0 216 2 68 51 18.0 229 2	64 51 18.0 201 2 65 51 18.0 206 2	62 51 18.0 201 2 63 51 18.0 201 2	59 51 18.0 197 2 60 51 18.0 197 2 61 51 18.0 197 2	57 51 18.0 192 2 58 51 18.0 193 2	55 51 18.0 192 2 56 51 18.0 192 2	54 51 18.0 189 2 54 51 18.0 189 2	51 51 18.0 184 2 52 51 18.0 185 2	49 51 18.0 181 2 50 51 18.0 183 1	47 51 18.0 166 2 48 51 18.0 179 2	945 51 18.0 159 2 946 51 18.0 160 2	42 51 18.0 158 2 43 51 18.0 158 2 44 51 18.0 158 2	40 51 18.0 151 2 41 51 18.0 158 2	36 51 18.0 144 2 39 51 18.0 144 2	35 51 18.0 138 2 36 51 18.0 141 2	33 51 18.0 137 2 34 51 18.0 138 2	31 51 18.0 137 2 32 51 18.0 137 2	29 51 18.0 137 2 30 51 18.0 137 2	27 51 18.0 137 2 28 51 18.0 137 2	25 51 18.0 137 2 26 51 18.0 137 2	23 51 18.0 137 2 24 51 18.0 137 2	21 51 18.0 137 2 22 51 18.0 137 2	19 51 18.0 128 2 20 51 18.0 137 2	18 51 18.0 128 2	15 51 18.0 /9 2 16 51 18.0 95 2	13 51 18.0 54 2 14 51 18.0 77 1	911 51.5 18.2 3033 2 912 51.5 18.2 3033 2	909 51.5 18.2 2938 2 910 51:5 18.2 3033 2
73 51 18.0 304 2 Q2QOW3_9HEPC 74 51 18.0 310 2 Q8BKV8_MOUSE 75 51 18.0 311 2 Q6E4L1_PETWA 76 51 18.0 314 2 Q23390 CAEEL 77 51 18.0 314 2 Q23390 CAEEL 77 51 18.0 326 1 VT2_MYXVL 78 51 18.0 327 2 Q8ILBS_PLAF7 79 51 18.0 327 2 Q8ILBS_PLAF7 79 51 18.0 345 2 Q2MOW9_DRODS 70 51 18.0 345 2 Q2MOW9_DRODS 71 18.0 346 2 Q2MOW9_DRODS	69 51 18.0 235 2 Q60TP6_CAEBR 70 51 18.0 247 2 Q8QXK2_PSTRU 71 51 18.0 265 2 Q6G4K2_PSTRA 72 51 18.0 289 2 Q76DS9_9HEPC	66 51 18.0 206 2 Q5VEB4 9HIPC 67 51 18.0 216 2 Q68761 9HEPC 68 51 18.0 229 2 Q5NC48_MOUSE	64 51 18.0 201 2 Q68760_9HBPC 65 51 18.0 206 2 Q5VEA7_9HIV1	62 51 18.0 201 2 Q68754 HERPC 63 51 18.0 201 2 Q68755 HERPC	59 51 18.0 197 2 QBLDZB ARATH 60 51 18.0 197 2 Q9MOVO_BATH 61 51 18.0 197 2 Q9MANO_9HTV1	57 51 18.0 192 2 Q81435_9HEPC 58 51 18.0 193 2 Q5AQIO_EMENI	55 51 18.0 192 2 Q81394_9HEPC 56 51 18.0 192 2 Q81415_9HEPC	53 51 18.0 188 2 Q9H310 HUWAN 54 51 18.0 189 2 09H320 HUWAN	51 18.0 184 2 QSDAN7 SCHUA 52 51 18.0 185 2 Q3PQR0 NITHA	49 51 18.0 181 2 Q6S2X3_9HTV1 50 51 18.0 183 1 Y189_ACISE	47 51 18.0 166 2 O16488_CAEEL 48 51 18.0 179 2 Q6S2X1_9HIV1	945 51 18.0 159 2 Q58UR5 9HEPC 946 51 18.0 160 2 Q6S2W6 9HIV1	42 51 18.0 158 2 O5XQW8 9HEPC 43 51 18.0 158 2 O5XQX8 9HEPC 44 51 18.0 158 2 O5XQX6 9HEPC	40 51 18.0 151 2 Q6IK46_DROME 41 51 18.0 158 2 Q5XQW7_9HEPC	39 51 18.0 144 2 Q58864 9HEPC	35 51 18.0 138 2 Q5H4V9_XANOR 36 51 18.0 141 2 Q6WX25_BACCE	33 51 18.0 137 2 Q5FXH7 9HBPC 34 51 18.0 138 2 Q2P7N5 XANOR	31 51 18.0 137 2 Q5FXH5_9HEPC 32 51 18.0 137 2 Q5FXH6_9HEPC	29 51 18.0 137 2 Q5FXH3_9HEPC	27 51 18.0 137 2 Q5FXH1_9HEPC 28 51 18.0 137 2 Q5FXH2_9HEPC	25 51 18.0 137 2 Q5FXF1 9HEPC 26 51 18.0 137 2 Q5FXF8 9HEPC	23 51 18.0 137 2 Q5FXB4_9HEPC	21 51 18.0 137 2 Q5FXE1 9HEPC 22 51 18.0 137 2 O5FXE2 9HEPC	19 51 18.0 128 2 Q68179_9HEPC 20 51 18.0 137 2 Q5FXD2_9HEPC	18 51 18.0 128 2 Q68175_9HEPC	15 51 18.0 /9 2 Q9UVA-4 BACU 16 51 18.0 95 2 Q565Z4 BACT 17 7 10.0 117 2 CANTON CUERC	13 51 18.0 54 2 Q30DP/ SHEEP 14 51 18.0 77 1 SADIAN II	911 51.5 18.2 3033 2 Q7T716_9HBPC 912 51.5 18.2 3033 2 Q7T712_9HBPC	909 51.5 18.2 2938 2 Q4IR68 GIBZE 910 51.5 18.2 3033 2 Q7T715 9HEPC
73 51 18.0 304 2 Q2QOW3_9HEBC Q2QOW3 74 51 18.0 310 2 Q8BKV8_MOUSE Q8bkv8 75 51 18.0 311 2 Q6E411_PETMA Q6E411 75 51 18.0 314 2 Q23390_CAEEL Q23390 76 51 18.0 314 2 Q23390_CAEEL Q23390 77 51 18.0 326 1 VT2_MYXVL P29825 78 51 18.0 327 2 Q8ILBS_PLAF7 Q8ilbS_PS 1 18.0 345 2 Q2MOW9_DRODS	69 51 18.0 235 2 Q60TP6_CAEBR Q60tp6 70 51 18.0 247 2 Q8QXK2 PVIRU Q8qxk8 71 51 18.0 265 2 Q6G4K2_PETMA Q664k2 72 51 18.0 289 2 Q76DS9 9HEPC Q76ds9	66 51 18.0 206 2 Q5VEH4_WHIVI Q5VEH6 67 51 18.0 216 2 Q68761_9HEPC Q68761 68 51 18.0 229 2 Q5NC48_MOUSE Q5nc48	64 51 18.0 201 2 Q68760_9HEPC Q68760 65 51 18.0 206 2 Q5VEA7_9HIV1 Q5Vea7	62 51 18.0 201 2 Q68755 9HEPC Q68754 63 51 18.0 201 2 Q68755 9HEPC Q68755	59 51 18.0 197 2 QBLDZB ARATH QB10ZB 60 51 18.0 197 2 Q9MOVO_ARATH Q9MOVO 61 51 18.0 197 2 Q9MOVO_ARATH Q9MOVO	57 51 18.0 192 2 Q81435_9HEPC Q81435 58 51 18.0 193 2 Q5AQIO_EMENI Q5aqiO	55 51 18.0 192 2 Q81394_9HEPC Q81394 56 51 18.0 192 2 Q81415_9HEPC Q81415	53 51 18.0 188 2 09H910 HUMAN QVH910 54 51 18.0 189 2 09T530 CAMPA 09T530	51 18.0 184 2 Q5DAN7_SCHJA Q5dan7 52 51 18.0 185 2 Q3PQRO_NITHA Q3pqrO	49 51 18.0 181 2 Q6S2X3_9HIV1 Q6S2X3 50 51 18.0 183 1 Y189_ACISE Q938X7	47 51 18.0 166 2 016488_CAEEL 016488 48 51 18.0 179 2 Q6S2X1_9HIV1 Q6S2X1	945 51 18.0 159 2 Q580X5 9HBPC . Q580X5 9H PC . Q580X5 9H PC . Q580X5 9H PC . Q580X5 9H PC . Q682w6 9H PC . Q68	42 51 18.0 158 2 Q5XQW8 9HEPC Q5XQW8 43 51 18.0 158 2 Q5XQX8_9HEPC Q5XQX8 44 51 18.0 158 2 Q5XQY6_9HEPC Q5XQY6	40 51 18.0 151 2 Q6IK46_DROME Q6ik46 41 51 18.0 158 2 Q5XQW7_9HEPC Q5XQW7	39 51 18.0 144 2 Q58864 9HEPC Q68864	35 51 18.0 138 2 Q5H4V9_XANOR Q5h4v9 36 51 18.0 141 2 Q5H4V9_BACCE Q6wx55	33 51 18.0 137 2 Q5FXH7 9HBPC Q5fxh7 34 51 18.0 138 2 Q2P7N5 XANOR Q2p7n5	31 51 18.0 137 2 OSFXH5 HEPC QSEXh5 32 51 18.0 137 2 OSFXH6 HEPC OSEXh6	29 51 18.0 137 2 Q5FXH3_9HEPC Q5fxh3 30 51 18.0 137 2 Q5FXH4_9HEPC Q5fxh4	27 51 18.0 137 2 Q5FXH1_9HBPC Q5£xh1 28 51 18.0 137 2 Q5FXH2_9HBPC Q5£xh2	25 51 18.0 137 2 Q5FXF1 9HEPC Q5fXf1 26 51 18.0 137 2 Q5FXF8 9HEPC Q5fXf8	23 51 18.0 137 2 Q5FXE4_9HEPC Q5fxe4	21	19 51 18.0 128 2 Q68179_9HEPC Q68179 20 51 18.0 137 2 Q5FXD2_9HEPC Q5fXd2	1/ 51 18.0 128 2 Q68175_9HEPC Q68175	15 51 18.0 /9 2 Q50VX4 BACU Q50VX4 16 51 18.0 95 2 Q565Z4 BACT Q565Z4 17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	13 51 18.0 54 2 Q30IDY SHEEP Q30IDY 13 18.0 77 1 ASPI ANIST O7416	911 51.5 18.2 3033 2 Q7T716_9HBPC Q7t716 912 51.5 18.2 3033 2 Q7T712_9HBPC Q7t7j2	909 51.5 18.2 2938 2 Q4IR68 GIBZE Q4ir68 910 51.5 18.2 3033 2 Q7T7I5 9HEPC Q7t7i5
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RESULT 1
TRR17 HUW
ID TNR13
AC 00222
DT 01-0
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MEDLINE-99425270; PubMed=10493829; DOI=10.1006/geno.1999.5927;

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MEDLINE=94218235; PubMed=8165126;
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Laabi Y., Gras M.P., Brouet J.C., Berger
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Tumor necrosis factor receptor superfamily maturation protein) (CD269 antigen).

Name=TNFRSF17; Synonyms=BCM, BCMA;

Homo sapiens (Human).
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"A new gene, BCM, on chromosome 16 i
by a t(4;16) (q26;p13) translocation
EMBO J. 11:3897-3904(1992).
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Q02223;
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01-JUL-1993,
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Q6NUTG BRARE
Q23048 ASPFU
Q6E4J7 PETMA
Q9NAK5 CAEEL
Q9MOTO ARACH
Q5EFZ7 CHICK
Q7TORS XENLA
Q76ZD1 MOUSE
Q8H1E1 ARACH
Q8VVD5 ARACH
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Gross J.A., Johnston V., Grossman A Madden K., Xu W., Parrish-Novak Moore M., Littau A., Grossman A Harrison K., Kindsvogel W., Cle "TACI and BCMA are receptors fo
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activated
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   EMBL;
EMBL;
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PDB;
                                                                                                                                                                                                                                                                                                                                                                            family member TALL-1.";

Proc. Natl. Acad. Sci. U.S.A. 97:9156-9161(2000).

-i- FUNCTION: Receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL.

Promotes B-cell survival and plays a role in the regulation humoral immunity. Activates NF-kappa-B and JNK.

-i- SUBUNIT: Associates with TRAF1, TRAF2, TRAF3, TRAF5 and TRAF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FUNCTION, AND INTERACTIONS WITH APRIL AND BAFF.
MEDLINE=21170294; PubMed=10973284; DOI=10.1038/79802;
Yu G., Boone T., Delaney J., Hawkins N., Kelley M.J., Ramak
McCabe S., Qiu W.R., Kornuc M., Xia X.-Z., Guo J., Stolina
Boyle W.J., Sarosi I., Hsu H., Senaldi G., Theill L.E.;
"APRIL and TALL-I and receptors BCMA and TACI: system for r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=20259066; PubMed=10801128; DOI=10.1038/35010115; Gross J.A., Johnston J., Mudri S., Enselman R., Dillon S.R., Madden K., Xu W., Parrish-Noval V., Foster D., Lofton-Day C., Madden K., Xu W., Parrish-Noval N., Foley K., Blumberg Moore M., Littau A., Grossman A., Haugen H., Foley K., Blumberg Harrison K., Kindsvogel W., Clegg C.H.; "TACI and BCMA are receptors for a TNF homologue implicated in E
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Shu H.-B., Johnson H.;
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Nat. Immunol. 1:252-256(2000)
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Hatzoglou A., Roussel J., Bourgeade M.-F.,
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#BL; Z14954; CAA78679.1; -; mRNA.

#BL; Z29575; CAA82691.1; -; mRNA.

#BL; Z29574; CAA82690.1; -; Genomic_DNA.

#BL; U95742; AAB67251.1; -; Genomic_DNA.

#BL; AB052772; BAB60895.1; -; Genomic_DNA.

#BL; AB052772; BAB60895.1; -; Genomic_DNA.

#BL; AS09112; AAR84240.1; -; Genomic_DNA.

#R; S43486; S43486.

#B; 100D; X-ray; K/L/M/N/O/P/Q/R=8-46.

#B; 1XU2; X-ray; R/S/T=5-51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cell maturation protein is a receptor for the
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DISEASE: A chromosomal aberration i
form of T-cell acute lymphoblastic
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F receptor family member BCMA (B cell
receptor-associated factor (TRAF) 1,
                                                                                                                                                                                                                 t(4;16)(q26;p13) with IL2.
SIMILARITY: Contains 1 TNFR-Cys repeat
                                                                                                                                                                                                                                                                                              O9Y275:TNFSF13B; NbExp=1; IntAct=EBI-519945, EBI-SUBCELLULAR LOCATION: Type III membrane protein. and perinuclear Golgi-like structures.
TISSUE SPECIFICITY: Expressed in mature B-cells,
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                                                                                                                                                                                  the UniProt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TRAF5 AND TRAF6.
PubMed=10908663; DOI=10.1073/pnas.160213497;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         [GENOMIC DNA], AND VARIANTS VAL-54;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HTIW
                                                                                                                                                                  Consortium,
tive Commons
                                                 -; Genomic_DNA.
-; Genomic_DNA.
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                                                                                                                                                                  see http://www.uniprot.org/terms
Attribution-NoDerivs License
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TRAF2, and
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RESULT 2
Q6P846 HUMAN
ID Q6P846;
AC Q6P846;
DT 05-UUL-2
DT 07-FEB-2
DT TUMOY nee
GN Name=TWF
OS HOMO sap
OC Mammalia
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GO; GO:0016022; C:Integral to membrane; TAS.
GO; GO:0005865; C:plasma membrane; TAS.
GO; GO:0005815; F:protein binding; IPI.
GO; GO:0004872; F:receptor activity; TAS.
GO; GO:0008283; P:cell proliferation; TAS.
GO; GO:0007275; P:development; TAS.
GO; GO:0007275; P:development; TAS.
GO; GO:0007165; P:signal transduction; TAS.
InterPro; IPR001368; TNFR NGFR 1; FALSE NEG.
PROSITE; PS00652; TNFR NGFR 2; FALSE NEG.
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Polymorphism;
CHAIN
                                                                                                          05-JUL-2004, integrated into UniProtKB/TrEMBL 05-JUL-2004, sequence version 1. 07-FEB-2006, entry version 11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SITE
                    Homo sapiens (Human)
Eukaryota; Metazoa; (
Mammalia; Eutheria; )
                                                                                                                                                                         Q6PE46 HUMAN
Q6PE46;
                                                                            Tumor necrosis factor
Name=TNFRSF17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VARIANT
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Ensembl; ENSG00000048462; I
HGNC; HGNC:11913; TNFRSF17
                                                                                                                                                                                                                                                                                                                                                                                       Local
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Mod
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                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                    MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
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                                                                                                                                                                                                                                                                                                                                                                                                                                               AA;
                                                                                                                                                                                             PRELIMINARY;
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41
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                    Euarchontoglires;
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37
41
                                        Chordata;
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19
23
26
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                                                                                            receptor superfamily, member 17
                                                                                                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                                                                                                  Score 283; D
Pred. No. 3.8
D; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  superfamily member 17.
/FTId=PRO_0000058935.
Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Breakpoint for translocation IL2/TNFRSF17 oncogene.
                    Craniata; Vertebroqlires; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             s -> N (in dbSNP:373496).
/FTId=VAR_018758.
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                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FTId=VAR_012234
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hes 0;
                      Vertebrata; Euteleostomi;
rimates; Catarrhini; Homin
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Signal-anchor; Transmembrane.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
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                        Hominidae
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RESULT 3
Q2TQ40 HUMAN
ID Q2TQ40;
AC Q2TQ40;
DT 24-JAN-2006, 6
DT 07-FEB-2006, 6
DT 0
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Best Local S
Matches 51
                                                                                             NUCLEOTIDE SEQUENCE.

Maia S., Freeman G.J., Nadler L.M., Cardoso A.A.;

Maia S., Erceman G.J., Nadler L.M., Cardoso A.A.;

"Novel, Secreted Isoform of Human Tumor Necrosis Factor

Superfamily, Member 17 (TNFRSF17).";

Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; BC058291; AAH58291.1; -; mRNA.
Ensembl; ENSG00000048462; Homo sapiens.
GO; GO:0004872; F:receptor activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Strausberg R.;
Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and mouse cDNA sequences."
                                                                                                                                                                                                                                                                                                                                    Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                               Name=TNFRSF17;
                                                                                                                                                                                                                                                                                                                                                                                   Tumor necrosis tactor
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                                                                                                                                                                                                                                                                                      ; Metazoa;
Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              184 AA;
                             by the UniProt Consortium, under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; ilarity 100.0%; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                       entry version
                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence version 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      integrated into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
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                                                                                                                                                                                                                                                                                      Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20139 MW;
                                                                                                                                                                                                                                                                                                                                                                                 receptor superfamily member 17.
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Pred. No. 3.8e-27;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
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Attribution-NoDerivs License
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RA Ambesi-Impiombato A. Apweiler R., Aturaliya R.N., Bailey T.L.,
RA Ambesi-Impiombato A. Apweiler R., Aturaliya R.N., Bailey T.L.,
RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R.,
RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Glergri-Hemming P., Gingeras T.R., Gojobori T., Green R.B.,
RA Georgi-Hemming P., Gingeras T.R., Gojobori T., Green R.B.,
RA Gustincich S., Harbers M., Hayashi Y., Hensch T.K., Hirokawa N.,
RA Hill D., Huminiecki L., Iacono M., Ikeo K., Iwama A., Ishikawa T.,
RA Kitano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K.,
RA Kitano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K.,
RA Kitano H., Metsuzawa S., Mishiawa S., Moris K.,
RA Milsson R., Nishiguchi S., Makano N., Nakauchi H., Ng P.,
RA Milsson R., Nishiguchi S., Mishikawa S., Nori F., Ohara O.,
RA Okazaki Y., Orlando V., Pang K.C., Pavan W.J., Pavesi G., Pesole G.,
RA Petrovsky N., Piazza S., Reed J., Reid J.F., Ring B.Z., Ringwald M.,
RA Rost B., Ruan Y., Salzberg S.L., Sandellin A., Schneider C.,
RA Schonbach C., Sekiguchi K., Semple C.A., Seno S., Sessa L., Sheng Y.,
RA Schonbach S., Van Nimwegen E., Verardo R., Silva D., Sinclair B.,
Sperling S., Stupka E., Sugiura K., Sultana R., Takenaka Y., Taki K.,
RA Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Grimmond S.M., Teasdale R.D., Liu E.T., Brusic V., Quackenbush J.,
RA Wahlestedt C., Mattick J.S., Hume D.A., Kai C., Sasaki D., Tomaru Y.,
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Best Local
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Madry C., Laabi Y., Callebaut I., Roussel J., ......
Madry C., Laabi Y., Callebaut I., Roussel J., .....
Le Coniat M., Mornon J.P., Berger R., Tsapis A.;
"The characterization of murine BCMA gene defines it
""""" necrosis factor receptor superfamily.";
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01-NOV-1998,
07-FEB-2006,
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088472;
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                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=C57BL/6J; TISSUE=COIOn;
PubMed=16141072; DOI=10.1126 Secience.1112014;
PubMed=16141072; DOI=10.112014;
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Mammalia; Eutheria;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             maturation protein)
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Tumor necrosis factor receptor superfamily member 17
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GO:0004872;
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35; PubMed=9846698; DOI=10.1093/intimm/10.11.1693;
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F:receptor activity; IEA
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Pred. No. 1.5e-22;
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RA Klausner R.D. Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Bosak S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Whiting M., Touchman J.W., Green E.D., Dickson M.C.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences";

Proc. Matl Acad Sci. II s.A. 90.16809-16003 (2002)
                           TOPO DOM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL; AF061505; AAC23799.1; -; mRNA.
EMBL; AK020247; BAB32038.1; -; mRNA.
EMBL; BC027519; AAH27519.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
-!- FUNCTION: Receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL.
--- Fromotes B-cell survival and plays a role in the regulation of humoral immunity. Activates NF-kappa-B and JNK (By similarity)
-!- SUBUNIT: Associates with TRAF1, TRAF2, TRAF3, TRAF5 and TRAF6
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Tagami M., Waki K., Watahiki A., Okamura-Oho
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Iida J., Imamura K.,
                                                                                                                          TRANSMEM
                                                                                                                                                                TOPO
                                                                                                                                                                                                                                                                                        Signal-anchor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ensembl; ENSMUSG00000022496; Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
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                                                                                                                                                                                                                                                                                                                          Alternative splicing;
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                                                                                                                                                                                                                                                                                                                                                                                              PROSITE;
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                                                                                                                                                                                                                                                                                                                          GO: GO:0016021; C:integral to membrane; TAS InterPro; IPR001368; TNFR c6. PROSITE; PS00652; TNFR NGFR 1; FALSE NEG. PROSITE; PS50050; TNFR NGFR 2; FALSE NEG. PROSITE; PS50050; TNFR NGFR 2; FALSE NEG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Isoid=O88472-2; Sequence=VSP 006507; TISSUE SPECIFICITY: Detected in spleen, theart, and at lower levels in kidney and SIMILARITY: Contains 1 TNFR-Cys repeat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein (Probable).
ALTERNATIVE PRODUCTS:
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Kojima M., Kondo S., Konno H., Nakano K., Ninomiya N.,
Kojima M., Plessy C., Shibata K., Shiraki T., Suzuki S.,
                                                                                                                                                                                                                                                                                           Transmembrane
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PubMed=12477932; DOI=10.1073/pnas.242603899;
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                                                      Signal-anchor for type III membrane protein (Potential).
Cytoplasmic (Potential).
                                                                                                                                                                                           superfamily member
/FTId=PRO_00000589
                                                                                                                                                                                                                                                                                                                          response; Membrane; Receptor;
                              TNFR-Cys.
                                                                                                                                                             Extracellular (Potential)
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A Jaillon O., Aury J.-M., Brunet F., Petti J.-L., Stange-Thomann N.,

A Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,

A Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,

A Nicaud S., Judife C., Castelli V., Katinka M., Vacherie B.,

A Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,

A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

A Anthouard V., Skalli Z., Cattolico L., Poulain J., De Berardinis V.,

Cruaud C., Skalli Z., Cattolico L., Poulain J., P., Gouzy J.,

Cruaud C., buprat S., Brottier P., Coutanceau J.-P., Gouzy J.,

A Cruaud C., Duprat S., Hardier P., Coutanceau J.-P., Gouzy J.,

A Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,

A Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,

Wincker P., Lander E.S., Weissenbach J., Roest Crollius H.;

"Genome duplication in the teleost fish Tetraodon nigroviridis reveals"
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19-JUL-2005, sequence version 1.
07-FEB-2006, entry version 3.
Chromosome 2 SCAF14738, whole genome shotgun sequence.
ORFNames=GSTENG00024082001;
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Bukaryota; Metazoa; Chordata; Cranitata; Vertebrata; Euteleostom
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleost
Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Genoscope, Whitehead Institute Centre for Genome Research;
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
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NCBI_TaxID=99883;
                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
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Q4S4Q3;
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                                                                                                                                                                                                                                                                                                                                                                              CAAE01014738;
                                                                                                                   16
                                                                                                                                                                                                                                   14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rly vertebrate proto-karyotype.";
431:946-957(2004).
                                                                                                                                                                                                                                                                 Similarity
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19133 MW; 3B2167E5E4FB1BB
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Pred. No. 0.15;
11; Mismatches
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A Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.,
Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
Hofer M., Bruchhaus I., Willhoeft U., Bhattacharya A.,
Lofillngworth T., Churcher C.M., Hance Z., Harris B., Harris D.,
A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,
Mitchead S., Quail M.A., Rabbinowitsch E., Norbertczak H., Price C.,
A Whitehead S., Quail M.A., Rabbinowitsch E., Bhattacharya S.,
A Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
Mangal R., Foster P.G., Sicheritz Ponten T., Weber C., Singh U.,
Mankherjee C., El-Sayed N.M., Petri W.A., Clark C.G., Embley T.M.,
Barrell B.G., Fraser C.M., Hall N.;
"The genome of the protist parasite Entamoeba histolytica.";
Nature 433,865-868(2005).
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GO; GO:0005524;
                                        Copyrighted by the UniProt Consortium, see http://www.uniprot.org/toutionstributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                     STRAIN=HM-1:IMSS;
PubMed=15729342; DOI=10.1038/nature03291;
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MEDLINE=21428166; PubMed=11545438;

Willhoeft U., Campos-Gongora E., Touzni S., Bruchhaus I.,

"Introns of Entamoeba histolytica and Entamoeba dispar.";

Protist 152:149-156(2001).
                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Entamoebidae;
NCBI_TaxID=294381;
                                                                                                                                                                                                                                                                                                                                                                                                                                                ORFNames=99.t00011
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Eukaryota; Entamoebidae;
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                                                                                        preliminary data.
                                                                                                      CAUTION: The sequence shown here is derived EMBL/GenBank/DDBJ whole genome shotgun (WGS)
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              AAFB01000356; EAL47552.1; -;
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26.5%;
binding; IEA
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            Genomic_DNA
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2.7;
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07-FEB-2006, entry version 26.
Gastric mucin-like protein (Fragment).
Name=Muc6; Synonyms=gastric mucin-like;
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GO; GO:0004872; F:receptor activity; IEA.
GO; GO:0006468; P:protein amino acid phosphorylation; IEA.
InterPro; IPR006212; Furin_repeat.
InterPro; IPR000719; Prot Kinase.
InterPro; IPR000771; Ser_thr_pkin_AS.
InterPro; IPR002290; Ser_thr_pkinase.
InterPro; IPR002290; Ser_thr_pkinase.
InterPro; IPR001245; Tyr_pkinase.
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Pfam; PF00094; VWD; 1.
SMART; SM00216; VWD; 1
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Murcidea; Muridae; Murinae; Mus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-1998,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE; PS00108; PROTEIN_KINASE_ST; 1.
Kinase; Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PROSITE; PS00107; PROTEIN_KINASE_ATP; PROSITE; PS50011; PROTEIN_KINASE_DOM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pfam; PF00069; Pkinase;
                                                                                                                                                                                                                                                      InterPro;
InterPro;
                                                                                                                                                                                                                                                                                                  MGI; MGI:2663233; Muc6
                                                                                                                                                                                                                                                                                                                            Ensembl;
                                                                                                                                                                                                                                                                                                                                                     HSSP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tomasetto C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE=Stomach;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      125
                                                                                                                                                                                                                                                                                                                                                   P56682;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 QMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
                            Similarity
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                                                                                                                                                                                                                                                                                                                       ENSMUSG00000048191; Mus musculus.
                                                                                                                                                                                                                                                 IPR002919; Prot I
                                                                                               1
499
499 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1113 AA; 124275
25.6%;
llarity 48.3%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                           499
                                                                                                    54191 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R., Wendling C., Lefebvre O., Chenard
                                                                                                                                                                                                                                                                        Inh_CR_TIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7;
Score 72.5; DB Pred. No. 2.1; 1; Mismatches
     ۲.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MW; 8F6D9846EFCD4D07 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 73; DB 2; Length 1113; Pred. No. 4.2; Mismatches 29; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                    04F89EF4F23EE61E CRC64;
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     7;
     Gaps
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CSQNEYFDSLLHACIPCQLRCSSNTPPLT 36

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RESULT 10
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D7 07-FE
D8 MUC6-
GN Name-
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Best Local
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01-JUN-2003,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03_MOUSE
Q80T03_MOUSE
Q80T03;
Desseyn J.-L., Laine A.;
"Characterization of mouse muc6 and evidence of cgel-forming mucin gene cluster between human and Genomics 81:433-436(2003).
                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eut
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pfam; PF01826; TIL; 2.
Pfam; PF00094; VWD; 3.
SMART; SM00216; VWD; 3
SMART 1674 1674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Escande F., Buisine M.P.;
"The mouse secreted gel-forming mucin gene cluster.";
Biochim. Biophys. Acta 1676:240-250(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euto
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Secreted gel-forming mucin
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01-JUN-2003, sequence version 1.
07-FEB-2006, entry version 15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q80Z18_MOUSE
Q80Z18;
                                                                                                     MEDLINE=22563400; PubMed=12676567; DOI=10.1016/S0888-7543(03)00036-3;
Desseyn J.-L., Laine A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Name=Muc6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AJ511867; CAD54415.1; -; Genomic_DNA.
EMBL; AJ511868; CAD54415.1; JOINED; Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=C57BL/6J;
PubMed=14984930;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Name=Muc6
                                                                                                                                                                                STRAIN=C57BL/6J;
                                                                                                                                                                                                                                                                                 NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InterPro; IPR002919; Prot_Inh_CR_TIL.
InterPro; IPR006552; VWC_out.
InterPro; IPR006552; VWF_D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MGI; MGI:2663233; Muc6.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            h 25.6%;
Similarity 48.3%;
14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sequence version entry version 17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 integrated into UniProtKB/TrEMBL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181170 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (Fragment)
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1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 72.5;
Pred. No. 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT;
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                                                                           conservation
                                         mouse.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 1674;
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                                                                                                                                                                                                                                                                                                                                                                    Sciurognathi;
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RESULT 12
Q5SUB3_MOUSE
ID Q5SUB3_MOUSE
AC Q5SUB3;
DT 21-DEC-2004, s
DT 21-DEC-2004, s
DT 07-FEB-2006, e
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QSSUMA MOO

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AC QSSUM
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DT 21-DD
DT 21-DD
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Best Local
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Pfam; PF00094; VMD; 3.
SMART; SM00216; VWD; 3.
PROSITE; PS01225; CTCK
SEQUENCE 2850 AA; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-DEC-2004, integrated into UniProtKB/TrEME
21-DEC-2004, sequence version 1.
07-FEB-2006, entry version 6.
Tumor necrosis factor receptor superfamily,
Name=Tnfrsf13b; ORFNames=RP23-5512.2-002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurogna
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL; AY184388; AAO47735.1; -; Genon EMBL; AY184385; AAO47735.1; JOINED; EMBL; AY184385; AAO47735.1; JOINED; EMBL; AY184387; AAO47735.1; JOINED; EMBL; AY184387; AAO47735.1; JOINED; HSSP; O46162; IKJO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Copyrighted by the UniProt Consortium, see nrtp://www.uniprot.orsy.v.
Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mammalia; Eutheria; Euarchon
Muroidea; Muridae; Murinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q5SU84 MOUSE
Q5SU84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Copyrighted by the UniProt Consortium, see http://www.uniprot.org/te Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                       Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InterPro;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  L; AL646093; CAI25894.1; -; Genomic DNA. GO:0004872; F:receptor activity; IEA.
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12; Conserv
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                                                                                                                                                                                                                       CPKDQYWDSSRKSCVSCALTCSQRS-QRTCTDFC
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IPR002919; Prot Inh CR TIL.
IPR006552; VWC out.
IPR001846; VWF D.
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  sequence version 6.
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                                                  integrated into
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A; 300401 MW;
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35.3%;
                           version
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Pred. No. 13;
1; Mismatches
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Genomic_DNA.
Genomic_DNA.
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RC STRAIN-C57BL/6J; TISSUE-Lung;
RC PubMed=16141072; DOI=10.1126/science.1112014;
RA Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N. Qarninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N. Qama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., Rajic V.B., Baraner S.E., Batalov S., Forrest A.R., Zavolan M., Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M., Bajic V.B., Brenner S.E., Batalov S., Porrest A.R., Zavolan M., Ambesi-Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., Ambesi-Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., Ambesi-Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., Ambesi-Impiombato A., Apweiler R., Aturaliya R.N., Bono H., Chalk A.M., A Bansal M., Baxter L., Beisel K.W., Bersano T., Bono H., Chalk A.M., A Bansal M., Baxter L., Bailey R., Clutterbuck D.R., A Bansal M., Baxter L., Dalrymple B.P., de Bono B., Della Gatta G., A Bansal M., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., A Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G., A Glernardo D., Down T., Engstrom P., Fagiolinin M., Faulkner G., A Glernardo D., Down T., Engstrom P., Fagiolinin M., Faulkner G., A Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E., A Gostincich S., Harbers M., Hayashi Y., Hensch T. K., Hirokawa N., A Gustincich S., Harbers M., Hayashi Y., Hensch T. K., Hirokawa N., A Hill D., Huminiecki L., Iacono M., Iko K., Iwama A., Ishikawa T., A Jakt M., Kanapain A., Katoh M., Kawasawa Y., Kelso J., Kitamura H., A Kitano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local S
Matches 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TR13B_MOUSE STANDARD; PR'
OPET35; OPDBZ3;
27-MAY-2002, integrated into Unil
01-MAR-2001, sequence version 1.
07-FEB-2006, entry version 28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Receptor.
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Bukaryota; Metazoa; Chordata; Craniato
Mammalia; Butheria; Euarchontoglires;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                humoral immunity.";
Nat. Immunol. 1:37-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tumor necrosis factor receptor superfamily member 13B activator and CAML interactor).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; AL646093; CAI25895.1; -; Genomic_DNA. Ensembl; ENSMUSG00000010142; Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Copyrighted by the UniProt Consortium, see http://www.uniprot.org/tousistributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=10090;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumor necrosis factor receptor superfamily, member 13b
Name=Tnfrsf13b; ORFNames=RP23-5512.2-003;
                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=21177254; PubMed=10881172; DOI=10.1038/76889;
Yan M., Marsters S.A., Grewal I.S., Wang H., Ashkenazi A., Dixit V
"Identification of a receptor for BLyS demonstrates a crucial role
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rissuE=Spleen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE [MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=Tnfrsf13b; Synonyms=Taci;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GO; GO:0004872; F:receptor activity; IEA.
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140 AA;
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                                                                                                                                                                                                                                                                                                                                                           [LARGE
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35.3%;
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Pred. No. 0.
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                                                                                                                                                                                        chalk A.M.,
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RA Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J.,
RA Liuni S., McWilliam S., Madan Babu M., Madera M., Marchionni L.,
RA Matsuda H., Matsuzawa S., Miki H., Mignone F., Miyake S., Morris K.,
RA Matsuda H., Matsuzawa S., Miki H., Mignone F., Miyake S., Morris K.,
RA Mottagui Tabar S., Mulder N., Nakano N., Nakauchi H., Mg P.,
RA Nilsson R., Nishiguchi S., Nishikawa S., Nori F., Chara O.,
RA Okazaki Y., Orlando V., Pang K.C., Pavan W.J., Pavesi G., Pesole G.,
RA Petrovsky N., Piazza S., Reed J., Reid J.F., Ring B.Z., Ringwald M.,
RA Rost B., Ruan Y., Salzberg S.L., Sandelin A., Schneider C.,
RA Rost B., Ruan Y., Salzberg S.L., Sandelin A., Schneider C.,
RA Rost B., Ruan Y., Salzberg S.L., Sandelin A., Schneider C.,
RA Rost B., Ruan Y., Salzberg S.L., Sandelin A., Schneider C.,
RA Schonbach C., Sekiguchi K., Semple C.A., Seno S., Sessa L., Sheng Y.,
RA Rost B., Ruan Y., Shimada K., Silva D., Sinclair B.,
RA Schonbach C., Sekiguchi K., Sandelin A., Schneider C.,
RA Sperling S., Stupka E., Sugiura K., Silva D., Sinclair B.,
RA Jernanja K., Tang S., Taylor M.S., Tegner J., Teichmann S.A.,
RA Jernanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Vamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Vamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Allestedt C., Mattick J.S., Hume D.A., Kai C., Sasaki D., Tomaru Y.,
RA Fukuda S., Kanamori-Katayama M., Suzuki M., Aoki J., Arakawa T.,
RA Kawashima T., Kojima M., Kondo S., Konno H., Nakano K., Ninomiya N.,
RA Kawashima T., Chada M., Plessy C., Shibata K., Shiraki T., Suzuki S.,
RA Hayashiyaki Y.,
RA Hayashiyaki Y.,
Ra Hayashiyaki Y.,
Ra Hayashiyaki H., Kawai J.,
RA Hayashiyaki Y.,
Ra Hayashiyaki Y.,
Ra Hayashiyaki H., Kawai J.,
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Xia X.-Z., Treanor J., Senaldi G., Khare S.D., Boone T., Kelley M.,
Theill L.E., Colombero A., Solovyev I., Lee F., McCabe S., Elliott R.
Miner K., Hawkins N., Guo J., Stolina M., Yu G., Wang J., Delaney J.,
Meng S.-Y., Bayle W.J., Hsu H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ensembl; ENSMUSG00000010142; MGI; MGI:1889411; Tnfrsf13b.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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"TACI is a TRAF-interacting receptor for TALL-1, a tumor necrosis factor family member involved in B cell regulation.";
J. Exp. Med. 192:137-143(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL; AF257673; AAG00081.1; -; mRNA. EMBL; AK004668; BAB23457.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "The transcriptional landscape of the mammalian Science 309:1559-1563(2005).
                                                                                                                                                                                                                                PROSITE; PS00652; PROSITE; PS50050;
                                                                                                                                                                                                                                                                                                                       InterPro;
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                                                                                                                                                                                  [mmune response;
                                                                                                                                                                                                                       GO:0009897; C:external side of plasma membrane; GO:0005887; C:integral to plasma membrane; IDA. GO:0001782; P:B. cell homeostasis; IMP. GO:0001782; P:B. cell homeostasis; IMP. GO:0030889; P:negative regulation of B cell prolection; IPR00136; TMPR C6.
SSITE; PS0652; TMPR_NGFR_2; FALSE_NEG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein (Probable).
SIMILARITY: Contains 2 TNFR-Cys repeats.
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FUNCTION: Receptor for TWRSF13/APRIL and TWRSF13B/TALL1/BAFF/BLYS that binds both ligands with similar high affinity. Mediates calcineurin-dependent activation of NF-AT, as well as activation of NF-kappa-B and AP-1. Involved in the stimulation of B- and T-cell function and the regulation of humoral immunity (By
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SUBUNIT: Binds TRAF2, TRAF5 and TRAF6. Binds the domain of CAMLG with its C-terminus (By similarity SUBCELLULAR LOCATION: Membrane; single-pass type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     similarity)
SUBUNIT: Bi
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                                                                                                                                                                                       Membrane;
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                                                                                                                                                                             Receptor; Repeat;
Tumor necrosis factor receptor superfamily member 13B. /FTId=PRO_0000058932.
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(By similarity).
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                                                                                                                                                                                  Signal-anchor;
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                       Entamoeba histolytica HM-1:IMSS.
Eukaryota; Entamoebidae; Entamoe
                                                                                Receptor protein kinase, putative ORFNames=359.t00009;
                                                                                                                                     07-JUN-2005, integrated in 07-JUN-2005, sequence vers 07-FEB-2006, entry version
                                                                                                                                                                                                                        Q50PT4_ENTHI
Q50PT4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AL646093; CAI25896.1; -; Genomic DNA. Ensembl; ENSMUSG00000010142; Mus musculus.
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-MAY-2005, sequence version 1.
07-FEB-2006, entry version 3.
Tumor necrosis factor receptor superfamily, member
Name=Tnfrsf13b; ORFNames=RP23-5512.2-001;
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Q5SU82;
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8; Mismatches
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Pred. No. 1
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RESULT 16
Q6BFG4 PARTE
ID 06BFG4;
AC Q6BFG4;
DT 16-AUG-2004, s
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DE PUTATIVE SUFFA
GN ORFNAMES=PTMB.
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A Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,
A Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.
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T'The genome of the protist parasite Entamoeba histolytica.";
Nature 433:865-868(2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRINTS; PR00109; TYRKINASE.
ProDom; PD000001; Prot_kinase;
SMART; SM00261; FU; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO; GO:0005524; F:ATP binding; IEA.
GO; GO:0004674; F:protein serine/threonine kinase activity;
GO; GO:0004713; F:protein-tyrosine kinase activity; IEA.
GO; GO:0004872; F:receptor activity; IEA.
GO; GO:000468; P:protein amino acid phosphorylation; IEA.
InterPro; IPR006212; Furin repeat.
InterPro; IPR006719; Prot kinase.
InterPro; IPR008271; Ser thr pkinase.
InterPro; IPR008271; Ser thr pkinase.
InterPro; IPR001245; Tyr pkinase.
                                                                                                                                                                              07-FEB-2006, entry version 9. Putative surface protein with EGF ORFNames=PTMB.409;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROSITE; PS00108;
Kinase; Receptor;
  STRAIN=Stock d4-2;
PubMed=15296759; DOI=10.1016/j.cub.2004.07.029;
Zagulski M., Nowak J.K., Le Mouel A., Nowacki M
                                                                                                                                       Paramecium tetraurelia.
Eukaryota; Alveolata; Ciliophora;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE; PS00107; PROTEIN KINASE ATP; 1.
PROSITE; PS50011; PROTEIN KINASE DOM; 1.
PROSITE; PS00108; PROTEIN KINASE ST; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pfam; PF02420; AFP; 1. Pfam; PF00069; Pkinase; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; AAFB01000933; EAL43605.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAUTION: The sequence shown here is derived EMBL/GenBank/DDBJ whole genome shotgun (WGS) \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                134
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12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                VCGRCGINEYFDVSKLNCLPCKTNCQRCSSAQNC 167
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                                                           SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1150 AA; 128939 MW; 0DBE7051D4B4E286 CRC64;
                                                                                                                                                                                                                                                        integrated into UniProtKB/TrEMBL
                                                                                                                                                                                                                                        sequence version
                                                                                                                         Paramecium
                                                                                                                                                                                                                                                                                                 PRELIMINARY;
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                                                                                                                                         Oligohymenophorea; Peniculida
                                                                                                                                                                                                   domains and
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    M., Migdalski
                                                                                                                                                                                                   furin-like repeats
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PCSK5 MOUS
ID FCSK5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NOUSE STANDARD; PRT; 1877 AA.

PCSKS MOUSE STANDARD; PRT; 1877 AA.

Q04592; Q62040;

Q1-FEB-1995, integrated into UniProtKB/Swiss-Prot.

11-JRA-2001, sequence version 2.

17-MAR-2006, entry version 59.

Q7-MAR-2006, entry version 59.
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InterPro; IPR006210; EGF.
InterPro; IPR013032; EGF like_reg.
InterPro; IPR013032; EUrin_repeat.
SMART; SM00181; EGF; 4.
SMART; SM00261; FU; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Proprotein convertase subtilisin/kexin type 5 precursor (EC (Proprotein convertase PC5) (Subtilisin/kexin-like protease (Subtilisin-like proprotein convertase 6) (SPC6).
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Cohen J., Meyer E., Sperling L.;
"High Coding Density on the Largest Parame
                                                                                                                                                           "Identification and functional expression of mammalian Kex2-like processing endoprotease structural similarity to PACE4.";
J. Biochem. 113:132-135(1993).
                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Brain, and Intestine; MEDLINE=93224489; PubMed=8468318;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nakagawa T., Murakami K., Nakayama K.;
"Identification of an isoform with an extremely
of PC6, a Kex2-like processing endoprotease.";
FEBS Lett. 327:165-171(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE [MRNA] OF 330-1877 (ISOFORM PC5B).
STRAIN=ICR; TISSUE=Intestine;
MEDLINE=93327934; PubMed=8335106; DOI=10.1016/0014-5793(93)80163-0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chromosome.
    MEDLINE=93342056;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Name=Pcsk5;
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                                                                                                                                                                                                                                                                                                                                                                 Nakagawa T., Hosaka M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus (Mouse)
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                                                                                NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM PC5A)
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PS01186; EGF_2; 12.
3005 AA; 343824 MW; D8CC6A247876A5A5
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    PubMed=8341687;
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; Pred. No. 21;
8; Mismatches
                                                                                                                                                                                                                                                                                                                                                             s.,
                                                                                                                                                                                                                                                                                 expression of
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                                                                                                                                                                                                                                           a new member of the family: its striking
                                                                                                                                                                                                                                                                                                                                                                      Murakami
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MEDLINE=97436919; PubMed=9291583; DOI=10.1002/(SICI)1520-6408(1997)21:1<75::AID-DVG9>3.3.CO;2-T; Rancourt S.L., Rancourt D.E.; "Murine subtilisin-like proteinase SPC6 is expressed during eminglantation, somitogenesis, and skeletal formation."; Dev. Genet. 21:75-81(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Constam D.B., Calfon M., Robertson E.J.; "SPC4, SPC6, and the novel protease SPC7 are coemorphogenetic proteins at distinct sites during J. Cell Biol. 134:181-191(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           subcellular compartments.";
J. Cell Biol. 135:1261-1275(1996)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DEVELOPMENTAL EXPI
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reticulum.

Preticulum.

DOMAIN: AC 1 and AC 2 (clusters of ac sorting information. AC 1 directs TGN with the TGN sorting protein PACS-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FUNCTION: Likely to represent a widespread endoprotease activity within the constitutive and regulated secretory pathway. Capable of cleavage at the RX(K/R)R consensus motif. May be responsible for the maturation of gastrointestinal peptides. May be involved in the cellular proliferation of adrenal cortex via the activation of growth factors.

CATALYTIC ACTIVITY: Release of mature proteins from their proproteins by cleavage of Arg-Xaa-Yaa-Arg-|-Zaa bonds, where Xaa can be any amino acid and Yaa is Arg or Lys.

SUBCELLULAR LOCATION: PC5A is secreted through the regulated secretory pathway. PC5B is a type I membrane protein localized to a paranuclear post-Golgi network compartment in communication with
                                                                                                          isoform B occur at bearing DOMAIN: The propeptide domain assisting the folding of the 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Event=Alternative splicing; Named isoforms=2; Comment=Additional isoforms seem to exist; Name=PCSB; Synonyms=Long;
                                                                                                                                                                                                                            stage, strong expression also detected in vertebral and facial cartilage primordia and in the muscle of the tongue. At E16.5, abundant expression in epithelial cells of the intestinal villi.
                                                                                                                                                                                                    Isoform A is most abundant at all stages but
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      early endosomes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         isoforms of proprotein convertase
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=97103178; PubMed=8947550; DOI=10.1083/jcb.1
I., Marcinkiewicz M., Malide D., Lazure C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   M., Seidah N.G.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EXPRESSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PubMed=8698813;
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                                                                                                                                n acts as
zymogen w
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de D., Lazure C., Na
                                                                 TGN
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EMBL; D17583; BAA04507.1; -
EMBL; D12619; BAA02143.1; -
EMBL; D14932; AA074636.1; -
PIR; A40225; A48225.
PIR; S34583; S34583.
USCE: D37100.11077
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Pfam; PF00082; Peptidase_S8; 1.
PRINTS; PR00723; SUBTILISIN.
ProDom; PD000717; PrprotnconvertsP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          InterPro; IPR006211; Furin-like.
InterPro; IPR006212; Furin repeat.
InterPro; IPR006209; Pept 58_553.
InterPro; IPR002804; PrprotnconvertsP.
Pfam; PF02420; AFP; 1.
Pfam; PF00757; Furin-like; 2.
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Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Alternative splicing; Cleavage on pair of basic residues;
Direct protein sequencing; Glycoprotein; Hydrolase; Membra
Protease; Repeat; Serine protease; Signal; Transmembrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEROPS; S08.076; -.
Ensembl; ENSMUSG00000024713;
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SM00261; FU; 22
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PS00137; SUBTILASE_HIS; 1.
PS00138; SUBTILASE_SER; 1.
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117
638
1825
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Proprotein convertase
                            ATEESWAEGGFCMLVKKNNLCQRKVLQQLCCKTCTFQG (in isoform PC5A).
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/FTId=PRO
                (in isoform PCSA
/FTId=VSP_005438
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RESULT 19
Q99ND0 MOUSE
ID Q99ND0;
DT 01-JUN-2001, i
DT 01-JUN-2001, s
DT 01-JUN-2001, s
DT 07-FEB-2006, e
DE ZAN (Zonadhesi
GN Name-Zan;
OS Mus musculus (
OC Eukaryota; Met
OC Muroidea; Muri
OX NCBI_TaxID=100
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Q776J7 GIALA
ID Q776J7;
AC Q776J7;
DT 15-DEC-2003, s
DT 10-EB-2004, pip
OX NCBI_TAXID=184
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Best Local
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01-JUN-2001, sequence version 1.
07-FEB-2006, entry version 22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro; IPR006210; EGF.
InterPro; IPR002049; EGF laminin.
InterPro; IPR006212; Furin_repeat.
SMART; SM00261; FU; 2.
PROSITE; PS01248; EGF_LAM_1; UNKNOWN_1.
               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eute
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AACB01000001; EAA43000.1; -; Genomic_DNA. HSSP; Q9S7B3; 1EHD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=184922;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Diplomonadida; Hexamitidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GLP_170_141434_144511.
Giardia lamblia ATCC 50803.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
NCBI_TaxID=10090;
                                                                  Mus musculus (Mouse)
                                                                                               ZAN (Zonadhesin).
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17; Conserv
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                                                                                                                                                                                                                                                                                                                                                                    MAGQCSQNEYFDSLLHACIPCQLRCSS---------NTPPLTCQRYCNASV 45
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209289 MW; EC850E2DF20EA1C3 CRC64;
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Pred. No. 15;
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                                                  Vertebrata; Euteleostomi;
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                                 Sciurognathi;
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     GN DOT DOT AC
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Best Local S
Matches 14
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NUCLEOTIDE SEQUENCE.
STRAIN=129/Sv;
STRAIN=121138439; Pul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GO; GO:0016
GO; GO:0007
GO; GO:0007
InterPro; J
                                                                                                                                                                                                                                                                                                                   PROSITE;
PROSITE;
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                    PROSITE;
     Name=Zan;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=129/Sv;
                   Zonadhesin precursor
                                                                                                                                                                                                                                                                                                                                                                                                       PROSITE;
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                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                   PS50060;
5374 AJ
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                                                                                                                                                                                                                                                     Conservative
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Pfam; PF02363; C_triplex; 20.
Pfam; PF00008; EGF; 11.
Pfam; PF00008; EGF; 11.
Pfam; PF000629; MAM; 3.
Pfam; PF00629; TIL, 25.
Pfam; PF002345; TIL, assoc; 25.
Pfam; PF002345; TIL assoc; 25.
Pfam; PF00004; VWD; 4.
SMART; SM00216; VWC; 0ut; 1.
SMART; SM00216; VWD; 4.
SMART; SM00216; VWD; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InterPro; IPR000742; EGF 3.
InterPro; IPR006209; EGF like.
InterPro; IPR006209; EGF like reg.
InterPro; IPR003645; Fol_N.
InterPro; IPR003645; Fol_N.
InterPro; IPR003998; MAM.
InterPro; IPR002919; Prot_Inh_CR_TIL
InterPro; IPR00328; VWC_Out.
InterPro; IPR006552; VWC_Out.
InterPro; IPR001007; VWF_C.
InterPro; IPR001846; VWF_D.
Pfam; PR013708. C_triplex; 20.
Pfam; PR013708. CTYPO-11
ZAN_MOUSE STANDARD; PRT; 5376 AA.
088799; CO88647;
27-APR-2001, integrated into UniProtKB/Swiss-Prot.
01-NOV-1998, sequence version 1.
07-MAR-2006, entry version 50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL; AF312033; AAK28824.1; -; Genomic_DNA.
EMBL; AY046056; AAL04416.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cheung T.L., Wilson M.D., Koop B.F., Hardy D.M.; Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Distributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GO:0016020; C:membrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PS00022; EGF 1; UNKNOWN 1.

PS01186; EGF 2; 18.

PS50026; EGF 3; 1.

PS00740; MAM 1; 1.

PS50060; MAM 2; 3.
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Pred. No. 60;
5; Mismatches
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001002210; EGF.

10; IPR006210; EGF.

10; IPR006210; EGF 1ike.

10; IPR006209; EGF 1ike.

10; IPR006209; EGF 1ike.

10; IPR003645; Fol.

10; IPR003645; Fol.

10; IPR003645; WC.

10; IPR003328; TILa-Cysrich.

10; IPR003328; TILa-Cysrich.

10; IPR003328; VWF_C.

10; IPR001007; VWF_C.

10; IPR001007; VWF_C.

10; IPR001846; VWF_D.

10; IPR001846; VWF_D.

10; IPR001846; VWF_D.

10; IPR00184; TILa-SCC; 11.

10; IPR00184; III.

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                         InterPro;
InterPro;
Pfam; PFO2
Pfam; PFO3
Pfam; PFO0
Pfam; PFO1
Pfam; PFO1
Pfam; PFO1
Pfam; PFO1
SMART; SMI
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J. Biol. ([2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; U97068; AAC26680.1; -; mRNA.
EMBL; U83190; AAC53125.1; -; mRNA.
PIR; T42215; T42215.
HSSP; Q90248; 1HX2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Chromosome localization of the mouse zonadhesin gene and the human zonadhesin gene (ZAN).";
Genomics 41:119-122(1997).
-!- FUNCTION: Binds in a species-specific manner to the zona pelluci of the egg. May be involved in gamete recognition and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gao Z., Garbers D.L.;
"Species diversity in the structure of zonadhesin, membrane protein containing multiple cell adhesion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE TISSUE=Testis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus (Mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Copyrighted
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Gao Z., Harumi T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE=Testis;
MEDLINE=98123114;
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GO; GO:0016021; C:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               similarity).
- SIMILARITY: Contains 1
- SIMILARITY: Contains 3
- SIMILARITY: Contains 2
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DOMAIN: During sperm migration through the reproductive transparent to the mucin-like domain might inhibit inappropriate trapping spermatozoa or promoting adhesion to the oviductal isthmus.

DOMAIN: The VWFD domain 2 may mediate covalent oligomerizat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SIBUNIT: Probably forms covalent oligomers SUBUNIT: Probably forms covalent oligomers SUBCELLULAR LOCATION: Type I membrane protapical region of the sperm head.
TISSUE SPECIFICITY: In testis, primarily in DOMAIN: The MAM domains probably mediates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MGI:106656;
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LAR LOCATION: Type I membrane protein,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Zan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           extracellular space; integral to membrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PubMed=9126492; DOI=10.1006/geno.1997.4620, Garbers D.L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         the Creative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 EGF-like domain.
3 MAM domains.
25 VWFD domains.
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PROSITE; PS50026; EGF 3;
PROSITE; PS00740; MAM 1;
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Cell adhesion; EGF-like dd
Signal; Transmembrane.
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22-NOV-2005,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                            Larimer F., Land M.;

"Annotation of the draft genome assembly of Pseudoalteromonas atlantica T6c.";

Submitted (OCT-2005) to the EMBL/GenBank/DDBJ databases.

-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22-NOV-2005, sequence version 1.
07-FEB-2006, entry version 3.
Electron-transferring-flavoprotein dehydrogenase (EC 1.5.5.1).
ORFNames=PatlDRAFT 0751;
Pseudoalteromonas atlantica T6c.
Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales;
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DISULFID
SEQUENCE
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CARBOHYD
DISULFID
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                                                                                                                                                 Oxidoreductase.
SEQUENCE 544 AA;
                                                                                                                                                                                                                                         EMBL;
                                                                                                                                                                                                                                                                  Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                              Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pseudoalteromonadaceae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US DOE Joint Genome Institute (JGI-PGF);
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=342610;
                                                                                                                                                                      GO:0004174; F:electron-transferring-flavoprotein dehydrog. GO:0016491; F:oxidoreductase activity; IEA. GO:0006118; P:electron transport; IEA. GO:0008152; P:metabollsm; IEA. GO:0008228; P:thiamin biosynthesis; IEA.
                                                                                                                                                                                                                                                                                                        preliminary data.
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PAQRYCPAGV 493
                                                 LKQAKDCQKIDYPKYDSVLSFDKLSSVFLSNTNHEEDQPCHLKLKDNTVPITVNLPLYDE
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                        -CORYCNASV 45
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N-linked (GlcNAc...
By similarity.
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3 MW; 0E44DB77DF2A2620
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ص
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Pred. No. 6.3;
6; Mismatches
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Pred. No. 60;
Pred. No. 60;
S; Mismatches 16; Indels
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0E44DB77DF2A2620 CRC64;
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                                                                                                                         DB 2;
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of Pseudoalteromonas
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Q6W4X9 HUMAN
ID Q6W4X9 H
AC Q6W4X9;
DT 05-UUL-2
DT 07-FEB-2
DT 07-FEB-2
DE Mucin pUU-2
DE Name=MUC
QS Homo sap
QC Eukaryot
QC Mammalia
QC Homo.
QX NCBI_Tax
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GO; GO:0008061; F:chitin binding; EA.
GO; GO:0006030; P:chitin metabolism; I
InterPro; IPR006149; EB region
InterPro; IPR006794; Ketoacyl synth.
InterPro; IPR002557; PerA (Chitin bd.
InterPro; IPR003571; Snake_toxin.
InterPro; IPR006150; Worm repeat 1.
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01-OCT-2001,
07-FEB-2006,
                                                                                                                                                                           QGW4X9_HUMAN PRELIMINARY;
QGW4X9;
QS-JUL-2004, integrated into U
05-JUL-2004, sequence version
07-FEB-2006, entry version 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pfam; PF01607; CBM_14; 2.

Pfam; PF01683; EB; 1.

SMART; SM00289; WR1; 7.

PROSITE; PS00606; B KETOACYL SYNTHASE; UNKNOWN_1.

PROSITE; PS00272; SNAKE TOXIN; UNKNOWN 1.

Complete proteome; Hypothetical protein.

COMPLETE PF016 AA; 102461 MW; B565A3CDD25216D9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ensembl; T10E10.4; Caenorhabditis elegans.
Wormbase; WBGene0020421; T10E10.4.
Wormbep; T10E10.4; CE25989.
GO: GO:005576; C:extracellular region; IEA.
GO; GO:0008061; F:chitin binding; IEA.
GO; GO:0006030; P:chitin metabolism; IEA.
                                                      Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                   Mucin glycoprotein Name=MUC6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hypothetical protein T10E10.4. ORFNames=T10E10.4;
NCBI_TaxID=9606
                                                                                                       Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; U39644; AAA80360.2; -; Genomic_DNA. PIR; T16840; T16840.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        investigating biology.";
Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The C. elegans sequencing consortium; "Genome sequence of the nematode C. e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q22378_CAEEL
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                                                      Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Primates; Catarrhini; Homin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 [LARGE SCALE GENOMIC DNA]
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Pred. No. 13
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B565A3CDD25216D9 CRC64;
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                                                         Hominidae;
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O14836; O726F5;
27-MAY-2002, integrated into Unil
O1-JAN-1998, sequence version 1.

O7-FEB-2006, entry version 45.
                                                    Wu Y., Bressette D., Carrell J.A., Kaufman T., Feng P., Taylo: Gan Y., Cho Y.H., Garcia A.D., Gollatz E., Dimke D., LaFleur [Migone T.S., Nardelli B., Wei P., Ruben S.M., Ullrich S.J., Olsen H.S., Kanakaraj P., Moore P.A., Baker K.P.; "Tumor necrosis factor (TNF) receptor superfamily member TACI high affinity receptor for TNF family members APRIL and BLyS." J. Biol. Chem. 275:35478-35485 (2000).
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NUCLEOTIDE SEQUENCE.
NUCLEOTIDE SEQUENCE.
PubMed=15081123; DOI=10.1016/j.ygeno.2003.11.003;
PubMed=15081123; DOI=10.1016/j.ygeno.2003.11.003;
PubMed=15081123; DOI=10.1016/j.ygeno.2003.11.003;
                                                                                                                                                                                            NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 2). Zhou G., Ke R., Li H., Zheng G., Shen C., Lin L., Yang Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                            Top
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SMART;
                                                                                                                                                                                                                                                             "NF-AT activation induced by a CAML-interacting necrosis factor receptor superfamily.";
                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homin
                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumor necrosis factor receptor superfamily member 13B activator and CAML interactor) (CD267 antigen).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Genomics 83:936-939(2004)
                                                                                                                                                     MEDLINE=20519647;
                                                                                                                                                                                                                                                                                                        MEDLINE=97458245;
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                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=TNFRSF13B; Synonyms=TACI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE
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              MEDLINE=21170294;
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1; PF00094; VWD; 3.
RT; SM00216; VWD; 3.
TER 1569 1569
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 Boone
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IPR006552; VWC_out.
IPR001846; VWF_D.
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Delaney J.,
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                                                                                                                                                  PubMed=10956646; DOI=10.1074/jbc.M005224200;
              PubMed=10973284; DOI=10.1038/79802;
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ke D., LaFleur D
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Isoid=014836-2; Sequence=VSP_013798;
Isoid=014836-2; Sequence=VSP_013798;
Irisula Sprcificity: Highly expressed in spleen, thymus, small intestine and peripheral blood leukocytes. Expressed in resting B-cells and activated T-cells, but not in resting T-cells.

IDISASE: Defects in TNFRSF13B are a cause of common variable immunodeficiency (CVID) [MIM:240500]. CVID is characterized by a defictiency in all immunoglobulin (Ig) isotypes. Individuals with CVID suffer from recurrent sinopulmonary and gastrointestinal infections and have an increased incidence of autoimmune disorders and of lymphoid and nonlymphoid malignancies. There is evidence for a global isotype switching defect in some individuals with CVID. But CVID is a complex and heterogeneous disease in which defects in B-cell survival, number of circulating CD27+ memory B cells (including IgM+CD27+ B cells), B-cell activation after antigen receptor cross-linking, T-cell signaling and cytokine expression have been observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hymowitz S.G., Patel D.R., Wallweber H.J., Runyo Shriver S.K., Gordon N.C., Pan B., Skelton N.J., Starovasnik M.A., Structures of APRIL-receptor complexes: like BC a single cysteine-rich domain for high affinity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=20341628; PubMed=10880535; DOI=10.1084/jem.192.1.137; Xia X.-Z., Treanor J., Senaldi G., Khare S.D., Boone T., Kelley M. Theill L.B., Colombero A., Solovyev I., Lee F., McCabe S., Elliott Miner K., Hawkins N., Guo J., Stolina M., Yu G., Wang J., Delaney Meng S.-Y., Boyle W.J., Hsu H.;
"TACI is a TRAF-interacting receptor for TALL-1, a tumor necrosis factor family member involved in B cell regulation.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VARIANT CVID/IGAD2 ARG-104, AND VARIANTS CVID GLY-181 AND HIS-202. PubMed=16007086; DOI=10.1038/ng1601; Castigli E., Wilson S.A., Garibyan L., Rachid R., Bonilla F., Schneider L., Geba R.S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                McCabe S., Qiu W.R., Kornuc M., Xia X.-Z., Guo J., Stolina Boyle W.J., Sarosi I., Hsu H., Senaldi G., Theill L.E.; "APRIL and TALL-I and receptors BCMA and TACI: system for humoral immunity.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "TACI is mutant in common variable immunodeficiency and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          X-RAY CRYSTALLOGRAPHY (1.9 ANGSTROMS)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FUNCTION: Receptor for TNFSF13/APRIL and TNFSF13B/TALL1/BAFF/BLYS that binds both ligands with similar high affinity. Mediates calcineurin-dependent activation of NF-AT, as well as activation of NF-AT, as well as activation of NF-kappa-B and AP-1. Involved in the stimulation of B- and T-cell function and the regulation of humoral immunity. SUBUNIT: Binds TRAF2, TRAF5 and TRAF6. Binds the NH2-terminal domain of CAMLG with its C-terminus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein.
ALTERNATIVE PRODUCTS:
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                                                        immunoglobulin A (IGAD) is the most common form of primary immunodeficiency, with an incidence of approximately 1 in 600
                                                                                                  expression have been observed.

DISEASE: Defects in TNFRSF13B are a cause of immunoglobulin deficiency 2 (IGAD2) [MIM:609529]. Selective deficiency of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Name=2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Event=Alternative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INTERACTION:
                 IGAD often
                   individuals in the western world. Individuals with symptomatic 
IGAD often have deficiency of IgG subclasses or decreased antil
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence=Displayed;
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Pan B., Skelton N.J., F
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Kelley
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            recurrent sinopulmonary and gastrointestinal infections and have an increased incidence of autoimmune disorders and of lymphoid and nonlymphoid malignancies. In vitro studies have suggested that some individuals with IGAD have impaired isotype class switching to IgA and others may have a post-switch defect. IGAD and CVID have been known to coexist in families. Some individuals initially present with IGADI and then develop CVID. These observations suggest that some cases of IGAD and CVID may have a common
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609529; phenotype.
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1XUT; NMR; A=68-109.
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     31816 MW;
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TNFR-Cys 2.
N-linked (GlcNAc. .
By similarity.
By similarity.
By similarity.
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                                                                                                                                                                                                                                                                                                                                                                      protein (Potential).
Cytoplasmic (Potential).
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R -> H (in CVID)
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      411799F3DE17A5EB CRC64;
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13-SEP-2005,
07-FEB-2006,
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Kawasaki A.
 Maruyama K., Sugano S.; "Oligo-capping: a simple method to replace the eucaryotic mRNAs with oligoribonucleotides.";
                                                                                                     Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                 24-MAY-2005, integrated into 24-MAY-2005, sequence version 07-FEB-2006, entry version 4.
                                                                                                                                                                                   Q53F36 HUMAN
Q53F36;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Name=TACI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q4ACX1;
                                 NUCLEOTIDE SEQUENCE.
TISSUE=Small intestine;
MEDLINE=94171032; PubMed=8125298;
                                                                                                                                       Tumor necrosis factor receptor 13B
                                                                                                                                                                                                                                                                                                                                                                                EMBL; AB222991; BAE16555.1; -; Genomic
                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, see http://www.uniprot.org/teDistributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kawasaki A., Tsuchiya N., Kusaci M.,
Matsuta K., Hashimoto H., Tokunaga K
"New polymorphisms of human BAFF-R go
Submitted (JUL-2005) to the EMBL/Genl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (Human)
                                                                                                                           Homo sapiens (Human)
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Matsuta H., Hashimoto H., Tokunaga K
"New polymorphisms of human TACI gen
                                                                             NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                     nterPro;
                                                                                                                                                                                                          HUMAN
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                                                                                                                                                                                                                                                                           CSQNEYFDSLIHACIPCQLRCSSNTPPLTCQRYCNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eutheria;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
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                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                 entry version 4.
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                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                              TNFR_NGFR_1; UNKNOWN; 31816 MW; 411799F
                                                                                                     Chordata; Craniati
Euarchontoglires;
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Pred. No. 5;
9; Mismatches
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Pred. No. 5
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411799F3DE17A5EB
                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene.";
                                   DOI=10.1016/0378-1119(94)90802-8
                                                                                                                                       variant (Fragment).
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                                                                                                     Primates;
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                                                                                                                  Vertebrata; Euteleostomi;
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              cap
                                                                                                      Catarrhini; Hominidae;
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              structure
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RASULT 27
Q60WC9 CAEDER
ID Q60WC9 CAEDER
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ID Q760WC9 CAEDER
ID 07-FEB-2
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DT 24-NOV-2
DT 25-NOV-2
DT 27-FEB-2
DR Hypothet
GN NGBI_Tax
RN [1]
RP NUCLEOTI
RC STRAIN=A
RX PubMed=1
RA Stein L.
RA Chinwall
RA Stein L.
RA Griffith
RA Kuwabara
RA Griffith
RA Griffith
RA Griffith
RA Spieth J
RA Watersto
RT Comparat
RA Spieth J
RA Spieth J
RA Spieth J
RA Watersto
RT Comparat
CC EMBL; CA
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DR InterPro
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=98038986; PubMed=9373149; DOI=10.1016/S0378-1119(97)00411-3; Suzuki Y., Yoshicomo K., Maruyama K., Suyama A., Sugano S.; "Construction and characterization of a full length-enriched and a 5 end-enriched cDNA library."; Gene 200:149-156(1997).
                                                                                                                                                  "The genome sequence of Caenorhabditis briggsae: a platform comparative genomics."; PLoS Biol. 1:166-192(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Caenorhabditis briggsae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-NOV-2004,
07-FEB-2006,
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23-NOV-2004,
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Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE.
TISSUE=Small intestine;
                                                Distributed under the Creative
                                                                 Copyrighted by the
                                                                                                                                                                                                  Spieth J., Staj
Waterston R.H.;
                                                                                                                                                                                                                                                                                                                                 PubMed=14624247; DOI=10.1371/journal.pbio.0000045;
                                                                                                                                                                                                                                                                                                                                                    STRAIN=AF1
                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA]
                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=CBG19174;
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 InterPro;
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GO:0004872; F:receptor activity; IEA.
erPro; IPR001368; TNFR_c6.
                                                                                                                                 Biol. 1:166-192(2003).

CAUTION: The sequence shown here is derived
                                                                                                  preliminary datà.
                                                                                                                 EMBL/GenBank/DDBJ whole genome shotgun (WGS)
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                 CAAC01000098; CAE72086.1; -; Genomic_DNA
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 IPR013032;
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EGF_like_reg.
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                                                                 Consortium,
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Pred. No. 5;
9; Mismatches
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RESULT 28
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01-JAN-1999,
21-FEB-2006,
                                                                                                                                                                                                                                              GO; GO:0007186; P:G-protein coupled receptor protein signalin. GO; GO:0007165; P:signal transduction; IEA.

InterPro; IPR000276; GPCR_Rhodpsn.

Pfam; PF00001; 7tm 1; 1.

PRINTS; PR00237; GPCREHODDPSN.

PROSITE; PS00237; GPROTEIN_RECEP_F1 1; 1.

PROSITE; PS00237; GPROTEIN_RECEP_F1 2; 1.

G-protein coupled receptor; Membrane; Receptor; Transducer;
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Serotonin receptor.
Ascaris suum (Pig roundworm) (Ascaris lumbricoides).
Ascaris suum (Pig roundworm) (Ascaris lumbricoides).
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Pfam; PF01826; TII; 2:
PR051TE; PS01186; EGF 2; UNKNOWN
Complete proteome; Hypothetical
SEQUENCE 135 AA; 14981 MW; 7:
                                                                                                                                                                                                                                                                                                                                                                                                       88888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AF005486; AAC78396.1; -; mRNA.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0016020; C:membrane; IEA.
GO; GO:0004872; F:receptor activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Huang X., Xiao H., Rex E.B., Hobson R.J., Komuniecki P.R., Komuniecki R.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=99339391; PubMed=10413046; DOI=10.1016/S0166-6851(99)00059-6; Huang X., Duran E., Diaz F., Xiao H., Messer W.S. Jr., Komuniecki R.; "Alternative-splicing of serotonin receptor isoforms in the pharynx and muscle of the parasitic nematode, Ascaris suum."; mol. Biochem. Parasitol. 101:95-106(1999).
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-!- SIMILARITY: Belongs to the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Functional characterization of alternatively spliced 5-HT2 receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    isoforms from the pharynx and muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ASCSU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUBCELLULAR LOCATION: Membrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                         GO:0001584; F:rhodopsin-like receptor activity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               _TaxID=6253;
434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            79
                                                  w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7
                                                                                                    l Similarity
15; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
  KMGGVCKFGEYWSN----
                                                  QMAGQCSQNEYFDSLLHACIPCQ-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KCPQNEQFRGCGTACEPTCE----NPKPMACTKQCIINVCQCAKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QCSQNEYFDSLLHACIP-CQLRCSSNTPPLTCQRYCNASVTNSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        by the UniProt Consortium, see http://www.uniprot.org/terms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              entry version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ascaris.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sequence version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              integrated
                                                                                                                                                                                                      AΑ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Belongs to the G-protein coupled re LOCATION: Membrane (By similarity).
                                                                                                                                                                                                      60141 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23.7%;
34.8%;
                                                                                                                         23.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prot_Inh_CR_TIL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2; UNKNOWN 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              into UniProtKB/TrEMBI
                                                                                                 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 67; DB 2
Pred. No. 2.6;
5; Mismatches
  -VSCRSRNEFVLTDRRQLDNVKTTSESRPLLCGKHCNSSSGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
                                                                                                                         Score 67; DB
Pred. No. 11;
                                                                                                                                                                                                         4D795D1C249D55F6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             74B21060EAF539B6 CRC64;
                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of the parasitic nematode
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Messer W.S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2
                                                                                                                                                    2
                                                                                                    14;
                                                  ---LRCSSNTPPLTCORYCNASVTN 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 135
                                                                                                                                              Length 532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               receptor 1 family.
                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                               IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ascaridoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51
                                                                                                    20;
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                                                                                                    Gaps
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     488
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489 SLQ 491

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RA Bichinger L., Pachabat J.A., Gloeckner G., Rajandream M.A.,
RA Bichinger L., Pachabat J.A., Gloeckner G., Rajandream M.A.,
RA Sucgang R., Berriman M., Song J., Olsen R., Szafranski K., Xu Q.,
RA Sucgang R., Erriman M., Song J., Olsen R., Szafranski K., Xu Q.,
RA Sucgang R., Berriman M., Song J., Olsen R., Szafranski K., Xu Q.,
RA Sucgang R., Berriman R., Hamlin N., Davies R., Gaudet P., Fey P.,
RA Tunggal B., Kummerfeld S., Madera M., Konfortov B.A., Rivero F.,
RA Parbrother R., Lehmann R., Hamlin N., Davies R., Gaudet P., Fey P.,
RA Parbrother P., Desany B., Just E., Morio T., Rost R., Churcher C.M.,
RA Kerhornou A., Nie X., Hall N., Anjard C., Hemphill L., Bason N.,
RA Cooper J., Haydock S., van Driessche N., Cronin A., Goodhead I.,
RA Cooper J., Haydock S., van Driessche N., Coonin A., Goodhead I.,
RA Muzny D. M., Mourier T., Pain A., Lu M., Harper D., Lindsay R.,
RA Muzny D. M., Mourier T., Pain A., Lu M., Harper D., Lindsay R.,
RA Hauser H., James K.D., Quiles M., Madan Babu M., Saito T.,
RA Hauser H., James K.D., Quiles M., Madan Babu M., Saito T.,
RA Moights A., Loulseged H., Mungall K.L., Oliver K., Price C.,
RA Mights A., Loulseged H., Hernandez J., Rabbinowitesch E., Steffen D.,
RA Moights A., Urushihara H., Hernandez J., Rabbinowitesch E., Steffen D.,
RA Tivey A., Sugano S., White B., Walker D., Woodward J.R., Winckler T.,
RA Cox E.C., Chisholm R.L., Gibbs R.A., Loomis W.F., Platzer M.,
RA Kuspa A.,
                                    Query Match
Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nature
-!- CAL
                                                                                                                             pfam; PF00069; Pkinase; I.
PRINTS; PR00109; TYRKINASE:
ProDom; PD000001; Prot kinase; 1.
SMART; SM00220; S TKC; I.
PROSITE; PS50011; PROTEIN KINASE DOM; 1.
ATP-binding; Hypothetical protein; Kinase; Nucleotide-binding;
Serine/threonine-protein kinase; Transferase.
                                                                                                                                                                                                                                                               InterPro; IPR000719; Prot kinase.
InterPro; IPR002290; Ser thr pkinase.
InterPro; IPR001245; Tyr pkinase.
                                                                                                                                                                                                                                                                                                                        GO; GO:0005524; F:ATP binding; IEA.
GO; GO:000166; F:nucleotide binding; IEA.
GO; GO:0004674; F:protein scrivenenine kinase activity;
GO; GO:0004713; F:protein-tyrosine kinase activity; IEA.
GO; GO:0016740; F:transferase activity; IEA.
GO; GO:0016740; F:transferase activity; IEA.
GO; GO:0016468; P:protein amino acid phosphorylation; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hypothetical protein DDB0230012.
Name=DDB0230012; ORFNames=DDB0230012;
Dictyostelium discoideum (Slime mold).
Eukaryota; Mycetozoa; Dictyosteliida; Dictyostelium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q54XL6_DICDI
Q54XL6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kuspa A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-FEB-2006, entry version 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCBI_TaxID=44689;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-MAY-2005,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-MAY-2005,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29
DICDI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ure 435:43-57(2005).
CAUTION: The sequence shown
EMBL/GenBank/DDBJ whole genc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          genome of the social amoeba Dictyostelium discoideum.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAF101000053;
                                                        Similarity
QCSQNEYFDS-LLHACIPCQLR---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      integrated into UniProtKB/TrEMBL
                                                                                                           ΑĄ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                             EAL68033.1; -; TP binding; IEA.
                                                                                                             64223 MW;
                                                      23.7%;
                                    6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 genome
                                                      Score 67; DB 2;
Pred. No. 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                               9D344378077A91C8 CRC64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    here
                                    Mismatches
----CSSNTP-----PLTCQRYCNASVTNS
                                                                                                                                                                                                                                                                                                                                                                                                                                            Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               shotgun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (WGS)
                                    16;
                                                                       Length 574;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from an entry which
                                    Indels
                                    14;
                                                                                                                                                                                                                                                                                                                                                                                       IEA.
                                  Gaps
                                    ω
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RESULT RE
Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AAGK01000002; EAN32674.1; -; Genomic DNA.
GO; GO:0016021; C:integral to membrane; IEĀ.
GO; GO:0005524; F:ATP binding; IEA.
GO; GO:0016887; F:ATPase activity; IEA.
GO; GO:0042626; F:ATPase activity, coupled to to
GO; GO:000166; F:nucleotide binding; IEA.
GO; GO:0000166; P:transport; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Salzberg S.L., White O., Fitzhugh H.A., Morzaria S., Venter J
Fraser C.M., Nene V.;
Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gardner M.J., Bishop R., Shah T., de Villiers E.P., Carlton J.M., Hall N., Ren Q., Paulsen I.T., Pain A., Berriman M., Wilson R.J., Sato S., Ralph S.A., Mann D.J., Xiong Z., Shallom S.J., Weidman J., Jiang L., Lynn J., Weaver B., Shoaibi A., Domingo A.R., Wasawo D., Crabtree J., Wortman J.R., Haas B., Angiuoli S.V., Creasy T.H., Lu C Suh B., Silva J.C., Utterback T.R., Feldblyum T.V., Pertea M., Allen J., Nierman W.C., Taracha B.L., Salzberg S.L., White O.R., Fitzhugh H.A., Morzaria S., Venter J.C., Fraser C.M., Nene V.; "Genome Sequence of Theileria parva, a Bovine Pathogen That Transfor
                                                                                                       SMART; SMUUJBA; AND TAME; 1.

PROSITE; PS50929; ABC_TMIF; 1.

PROSITE; PS00211; ABC_TRANSPORTER_1; 1.

PROSITE; PS50893; ABC_TRANSPORTER_2; 2.

PROSITE; PS50893; ABC_TRANSPORTER_2; 2.

ATP-binding; Membrane; Nucleotide-binding; Transpo
                                                                                                                                                                                                                                                                                 InterPro; IPR003593; AAĀ_ATPase.
InterPro; IPR011527; ABC_TM_1.
InterPro; IPR003439; ABC_transp_like.
Pfam; PF00005; ABC_tran; 2.
SMART; SM00382; AAĀ; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gardner M., Bishop R., Shah T., de Villiers E., Carlton J.M., Hall N. Ren Q., Paulsen I.T., Pain A., Berriman M., Wilson R.J.M., Sato S., Ralph S.A., Mann D.J., Xiong Z., Shallom S.J., Weidman J., Jiang L., Lynn J., Weaver B., Shoabib A., Wasawo D., Crabtree J., Wortman J.R., Haas B., Angiuoli S., Creasy T.H., Lu C., Suh B., Silva J.C., Utterback T., Feldblyum T., Pertea M., Allen J., Taracha E.L., Utterback S.L., White O., Fitzhugh H.A., Morzaria S., Venter J.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q4N599_THEPA PRELIMINARY; PRT; 1562 AA. Q4N599; Q2-AUG-2005, integrated into UniProtKB/TrEMBL 02-AUG-2005, sequence version 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Copyrighted by the UniProt Consortium, see http://www.uniprot.org/teDistributed under the Creative Commons Attribution NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=Muguga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lymphocytes.";
Science 309:134-137(2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PubMed=15994558; DOI=10.1126/science.1110439;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=5875;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Alveolata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Theileria parva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORFNames=TP02_0391;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-FEB-2006, entry version ABC transporter, putative.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               preliminary data.
SIMILARITY: Belongs to the ABC transporter family.
   Conservative
                              23.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Apicomplexa; Piroplasmida; Theileriidae;
   12;
                              Score 66.5;
Pred. No. 39
Mismatches
                                    39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                see http://www.uniprot.org/terms
                                                               DB
                                                                                                                                                         Transport
                                                               2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 transmembrane
                                                            Length 1562;
Indels
                                                                                                                              CRC64;
   17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3
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Gaps
   4
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RESULT 32
Q26489 SPOFR
ID Q26489;
AC Q26489;
DT 01-NOV-1996, s
DT 07-FEB-2006, e
DE Endoprotease F
GN Name=FURIN;
OS Spodoptera fru
OC Eukaryota; Met
OC Neoptera; Endo
OC Neoptera; Endo
OC Noctuidae; Amp
OX NCBI TaxID=710
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NL5 CRYNE
Q55NL5 CRYNE PRELIMIT
Q55NL5;
Q5SNL5;
Q5MAY-2005, integratec
24-MAY-2005, sequence v
07-FEB-2006, entry very
Hypothetical protein.
QRFNames=CNBH0730;
                                                                 "Cryptococcus neoformans serotype D sequencing."
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases
-i- CAUTION: The sequence shown here is derived from ar
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry
                       Neoptera; Endopterygota; Lepidoptera; Glossata;
Noctuidae; Amphipyrinae; Spodoptera.
NCBI_TaxID=7108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE; PS00022; EGF 1; 1.

PROSITE; PS01186; EGF 2; 1.

PROSITE; PS0026; EGF 3; 1.

PROSITE; PS01248; EGF LAM 1; UNKNOWN 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=B-3501A;
Fung E., Hyman R.W., Rowley D., Bruno Wickes B.L., Fu J., Davis R.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SMART; SM00181; EGF;
SMART; SM00261; FU;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Fungi; Basidiomycota; Hymenomycetes; Heterobasidic
Tremellomycetidae; Tremellales; Tremellaceae; Filobasidiella.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hypothetical SEQUENCE 8
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Pfam; PF00008; EGF; 1.
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InterPro; IPR000742; EGF 3.
InterPro; IPR002049; EGF laminin.
InterPro; IPR013032; EGF like_reg.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AAEY01000041; EAL19380.1; -; Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium,
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861 AA; s
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Pred. No. 24;
6; Mismatches
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                                                                                                                                                                                                                                                                                                               PRT;
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RESULT 33
Q3K8P9 PSI
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Best Local S
Matches 18
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08-NOV-2005,
21-FEB-2006,
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InterPro; IPR006211; Furin-like.
InterPro; IPR006212; Furin_repeat.
InterPro; IPR002209; Pept S8 S53.
InterPro; IPR002884; PrprotnconvertsP.
Pfam; PF00757; Furin-like; 1.
Pfam; PF01483; P proprotein; 1.
8888
                                                                                                                               NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].

US DOE Joint Genome Institute;

Copeland A., Lucas S., Lapidus A., Barry K., Detter J.C., G

Hammon N., Israni S., Pitluck S., Saunders E.H., Schmutz J.

Larimer F., Land M., Kyripides N., Anderson I., Richardson

"Complete sequence of Pseudomonas fluorescens PfO-1.";

Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                          21-FEB-2006, entry version 4. Electron transfer flavoprotein-ubiquinone oxidoreductase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE; PS00136; SUBTILASE_ASP; PROSITE; PS00137; SUBTILASE_HIS; PROSITE; PS00138; SUBTILASE_SER;
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Cieplik M., Klenk H.;
Submitted (JAN-1996) to the EMBL/GenBank/DDBJ databases
                                                          EMBL;
                                                                                      Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                             Pseudomonas fluorescens (strain PfO-1).
Bacteria; Proteobacteria; Gammaproteobacteria;
                                                                                                                                                                                                                                                                                                                OrderedLocusNames=Pfl_4118;
                                                                                                                                                                                                                                                                                                                                                                                       Q3K8P9_PSEPF
Q3K8P9;
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                                                                                                                                                                                                                                                     NCBI_TaxID=205922;
                                                                                                                                                                                                                                                                    Pseudomonadaceae; Pseudomonas.
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                                                                                                                                                                                                                                                                                                                                                                                                                    PSEPF
GO:0004174; F:electron-transferring-fla
GO:0016491; F:oxidoreductase activity;
GO:0006118; P:electron transport; IEA.
GO:0008152; P:metabolism; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO:0016020; C:membrane; IEA.
GO:0005524; F:A3TP binding; IEA.
GO:0008533; F:peptidase activity; IEA.
GO:0004289; F:subbilase activity; IEA.
GO:0004714; F:transmembrane receptor protein tyrosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GO:0006508; P:proteolysis; IEA
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                                                          CP000094; ABA75855.1; -; Genomic_DNA.
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                                              F:electron-transferring-flavoprotein
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Pred. No. 43;
8; Mismatches
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MW; 4C3799C7BBC572AB CRC64;
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                                            dehydrog.
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RESULT 34
STAB2_HUMP
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           Wakaman
Sekine M., Open
Tamoto J., (
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SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stabilin-2 precursor (FEEL-2 protein) (Fasciclin EGF-like laminin-type EGF-like and link domain-containing scavenger receptor 1) (FAS1 EGF-like and X-link domain-containing adhesion molecule 2) (Hyaluronan receptor for endocytosis) [Contains: 190 kDa form stabilin-2 (190 kDa hyaluronan receptor for endocytosis)].

Name=STAB2; Synonyms=FEEL2, FELL, FEX2, HARE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STAB2 HUMAN STANDARD; PRT; 2551 AA. Q8WWQ8; Q6ZMK2; Q7ZSN9; Q86UR4; Q8IUG9; Q8TES1; Q9 19-JUL-2004, integrated into UniProtKB/Swiss-Prot. 19-JUL-2004, sequence version 2. 07-MAR.2006, entry version 34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR007859; ETFD.
InterPro; IPR006076; Fad oxred.
InterPro; IPR000103; PyrIdine redox 2.
InterPro; IPR003042; Rng_hydrolase.
Pfam; PF01266; DAO; 1.
Pfam; PF05187; ETF_QO; 1.
Ota T., Suzuki Y., Nishikawa T., Wakamatsu A., Hayashi K., Sato H. Sekine M., Obayashi M., Nishi T. Yamamoto J., Saito K., Kawai Y., Murakami K., Yasuda T., Iwayanag
                                                                                                                                                                                                                                   "FEEL-1, a novel scavenger receptor with angiogenesis-modulating activities."; J. Biol. Chem. 277:34264-34270(2002).
                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE [MRNA].

MEDLINE=21818465; PubMed=11829752; DOI=10.1042/0264-6021:3620155;

POIITZ O., Gratchev A., McCourt P.A.G., Schledzewski K., Guillot P.

Johansson S., Svineng G., Franke P., Kannicht C., Kzhyshkowska J.,

Longati P., Velten F.W., Johansson S., Goerdt S.;

"Stabilin-1 and -2 constitute a novel family of fasciclin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                             PubMed=14702039; DOI=10.1038/ng1285; Ota T., Suzuki Y., Nishikawa T., Ots
                                                                                                                                            Submitted
                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE [MRNA], AND FUNCTION.
MEDLINE=22206516; PubMed=12077138; DOI=10.1074/jbc.M204277200;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRINTS; PR00469; PNDRDTASEII.
PRINTS; PR00420; RNGMNOXGNASE.
                                                                                                             NUCLEOTIDE
                                                                                                                                                                         "FEX2, a novel cell adhesion molecule of
                                                                                                                                                                                        Park S.-Y.,
                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE [MRNA],
                                                                                                                                                                                                                                                                                Adachi H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens (Human)
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554 AA;
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                                                                                                                                            (MAY-2003)
                                                                                                                                                          interaction.";
                                                                                                             SEQUENCE
                                                                                                                                                                                                                                                                                  Tsujimoto M.;
                                                                                                                                                                                         Kim I.
                                                                                                                                                                                                                                                                                                                                              362:155-164 (2002)
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60840 MW;
                                                                                                             [LARGE SCALE MRNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Primates; Catarrhini; Hominidae;
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   Iwayanagi T.,
                awa T., Otsuki T., Sugiyama T., Irie R.,
Sato H., Nagai K., Kimura K., Makita H.,
ishi T., Shibahara T., Tanaka T., Ishi S.,
wai Y., Isono Y., Nakamura Y., Nagahari K.,
                                                                                                                                          EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                        AND VARIANT PRO-510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 65;
Pred. No.
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   Wagatsuma M.,
                                                                                                             Q
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                                                                                                                                                                       Fas-1 superfamily mediates
                                                                                                                                                                                                                                                                  'n.
                                                                                                             35-2551
                                                                                                                                                                                                                                                                  vitro
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                                                                                                                                                                                                                                                                  bacteria-binding
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RA Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y.,
RA Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M.,
RA Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M.,
RA Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K.,
RA Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K.,
RA Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J.,
RA Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y.,
RA Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N.,
RA Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S.,
RA Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O.,
RA Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O.,
RA Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H.,
RA Hishigaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y.,
RA Pujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T.,
RA Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y.,
RA Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y.,
RA Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M.,
RA Mizushima-Sugano J., Satoh T., Shirai Y., Nakagawa K.,
RA Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R.,
RA Okumura K., Vada T., Nakamura Y., Ohara O., Isogai T., Sugano S.,
RT "Complete sequencing and characterization of 21,243 full-length human
RT CDNAS.":
                       EMBL;
EMBL;
EMBL;
EMBL;
EMBL;
EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=22588541; PubMed=12626425; DOI=10.1093/glycob/cwg029; Zhou B., McGary C.T., Weigel J.A., Saxena A., Weigel P.H.; "Purification and molecular identification of the human hyalu receptor for endocytosis."; Clycobiology 13:339-349(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (JUN-1999) to the EMBL/GenBank/DDBJ -!- FUNCTION: Hyaluronan receptor that binds t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1136-1144; 1257-1269; 1597-1605; 1834-1843; 1914-1918; 1953-1957; AND TISSUE SPECIFICITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sudo H., Hosoiri T., K
Takahashi M., Kanda K.
Abe K., Kamihara K., K
                                                                                                                                                                                                                                                  Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
                                                                                                                                                                                                                                                                          Copyrighted
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE [MRNA] OF 1599-2551.
Tao Q., Zhang W., Cao X.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CDNAs
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                                                                                                                                                                                                                                                                                                                                                         PTM: Proteolytically processed to yield a SIMILARITY: Contains 17 EGF-like domains. SIMILARITY: Contains 7 FAS1 domains. SIMILARITY: Contains 2 laminin EGF-like domains. SIMILARITY: Contains 1 Link domain. CAUTION: Ref. 4 (BABB4877) sequence different a frameshift in position 1367.

CAUTION: Ref. 4 (BAD18723) sequence different cautions. Ref. 4 (BAD18723)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FUNCTION: Hyaluronan receptor that binds to any mercendocytosis of hyaluronic acid. May serve to maintain tissue endocytosis of hyaluronic acid. May serve to maintain tissue of the company of the compa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUBCELLULAR LOCATION: Type I membrane protein. TISSUE SPECIFICITY: Highly expressed in sinuso cells of liver, spleen and lymph nodes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       integrity by supporting extracellular matrix turnover or it may contribute to maintaining fluidity of bodily liquids by resorption of hyaluronan. Binds to both Gram-positive and Gram-negative
                       ; AJ295695; CAC82105.1;
AB052998; BAC15608.1;
AY311188; AAP74958.1;
AK024503; BAB15793.1;
AK024503; BAB84877.1;
AK04031; BAB84877.3; AK0160380; BAD18723.1;
AY227444; AAO39681.1;
                                                                                                                                                                                                                                                                                                                              CAUTION: Ref.4 (BAD18723) sequence frameshifts in positions 240, 253,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   bacteria and may play a role in defense against bacterial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             36:40-45(2004).
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K., Yokoi
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                          ALT_FRAME;
ALT_FRAME;
-; mRNA.
                                                                                                      -; mRNA.
-; mRNA.
-; mRNA.
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2204-2217;
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588 and
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Attribution-NoDerivs L:
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sinusoidal e
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2211-2215 AND 2355-2367,
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mRNA

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Pfam; PF00008; EGG; 7; FLCC_IIII_BURENT.

Pfam; PF04963; EGF_2; 2.

Pfam; PF04863; EGF_alliinase; 1.

Pfam; PF02469; Fasciclin; 6.

Pfam; PF02449; Fasciclin; 6.

Pfam; PF000918; Link; 1.

PF0000; PD000918; Link; 1.

SMART; SM00181; EGF; 20.

SMART; SM00181; EGF; 20.

SMART; SM001845; LINK; 1.

SMART; SM00254; FAS1; 7.

SMART; SM00252; EGF_1; 7.

PROSITE; PS01186; EGF_2; 16.

PROSITE; PS01186; EGF_2; 16.

PROSITE; PS0128; EGF_LAM_1; 2.

PROSITE; PS0128; EGF_LAM_2; FALSE_NEG.

PROSITE; PS05027; EGF_LAM_2; FALSE_NEG.

PROSITE; PS05021; FAS1; 7.

PROSITE; PS05021; FAS1; 7.

PROSITE; PS05021; EGF_LAM_2; FALSE_NEG.

PROSITE; PS05021; FAS1; 7.

PROSITE; PS05021; EGF_LAM_2; FALSE_NEG.

PROSITE; PS05021; FAS1; 7.

PROSITE; PS05021; FAS1; 7.
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GG; GO:0009897; C:external side of plasma membrane; ISS.
GG; GO:0005887; C:integral to plasma membrane; IDA.
GG:GO:0005887; C:integral to plasma membrane; IDA.
GG; GO:0005804; F:Gram-negative bacterial binding; IDA.
GG; GO:0005540; F:low-density lipoprotein receptor activity; IDA.
GG; GO:0005541; F:protein binding; NAS.
GG; GO:0005513; F:protein disulfide oxidoreductase activity; NAS.
GG; GO:0015035; F:protein disulfide oxidoreductase activity; NAS.
GG; GO:00150544; F:scavenger receptor activity; IDA.
GG; GO:0005044; F:scavenger receptor activity; IDA.
GG; GO:0001525; P:angiogenesis; NAS.
GG; GO:0001525; P:angiogenesis; NAS.
GG; GO:0001525; P:ccell adhesion; NAS.
GG; GO:00042742; P:cell adhesion; NAS.
GG; GO:0006898; P:receptor mediated endocytosis; TAS.
InterPro; IPR000782; BIGH3_FAS1.
InterPro; IPR000782; BIGH3_FAS1.
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InterPro;
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InterPro;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hyaluronic acid; Laminin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Proteoglycan;
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; 608561; gene
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IPR006947; EGF allimase.

IPR006947; EGF allimase.

IPR0013111; EGF extracell.

IPR002049; EGF like.

IPR006209; EGF like.

IPR006209; EGF like reg.

IPR000538; Link.
   826
867
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953
994
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1432
1471
1513
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195
195
237
322
371
515
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequencing; EGF-like domain; Endocytosis; Glycoprotein;
d; Laminin EGF-like domain; Membrane; Polymorphism;
Receptor; Repeat; Signal; Transmembrane.
   193
236
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                                                                                                                                                                                                                                                         Cytoplasmic (Potential).
EGF-like 1.
EGF-like 2.
EGF-like 3.
EGF-like 4.
EGF-like 5.
 Laminin EGF-like 1
EGF-like 11.
EGF-like 12.
EGF-like 13.
EGF-like 14.
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EGF-like
EGF-like
EGF-like
EGF-like
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                                                                                                                                                                                                                       FAS1
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/FTId=PRO_(
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RO_0000007713.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0000007712.
RESULT 36
OBNAV8 HUMAN
OBNAV8 HUMAN
ID QBNAV8 HUMAN
PRELIMINARY; PRT; 581 AA.

AC OBNAV8;
O1-OCT-2002, integrated into UniProtKB/TrEMBL.
DT 01-OCT-2002, sequence version 1.
DT 07-MAR-2006, entry version 17.
DT 07-MAR-2006, entry version 17.
DE CDNA FLJ34691 fis, clone MESAN2000909, moderately similar to Homo DE sapiens CEGP1 protein (CEGP1), mRNA.

OS Homo sapiens (Human).
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Q5CZ68
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Best Local :
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InterPro; IPR011641; GCC2_GCC3.
Pfam; PF00431; CUB; 1.
Pfam; PF07699; GCC2_GCC3; 3.
SMART; SM00042; CUB; 1.
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Q5CZ68;
                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                         Hypothetical protein.
NON_TER 1
                                                                                                                                                                                                                                                                                                                                                                                                                         PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ensembl; ENSG00000146197; Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; CR936873; CAI59785.1; -;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE=Fetal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                                                                                                                                                                                                                                                      484 AA; 53895 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                         CUB; 1.
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                                                                                                                                                                                                                                                                                                               22.8%;
30.8%;
                                                                                                                                                                                                                                                                                            Score 64.5; D
Pred. No. 20;
5; Mismatches
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Pred. No. le+02;
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Bloecker H., Beecher M., Brandt P., Mewes H.W., Weil B.,
Osanger A., Fobo G., Han M., Wiemann S.;
Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAR-2005, integrated into UniProtKB/TrEMBL. 29-MAR-2005, sequence version 1. 07-FBB-2006, entry version 4. Hypothetical protein DKFZp686D20108 (Fragment) Name=DKFZp686D20108;
                                                                                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium, see http://www.uniprot.org/termsDistributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          674 LGTCVSCSLVYWSRCPANSEPTALFTHRCVYSGRFGSLKSGCARYCNATV 723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QCSQNEYFDSLLHACIPCQL-----RCSSNT
OCSPGHYYNTSIHRCIRCAMGSYQPDFRQNFCSRCPGNT
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1740
1957
2047
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2198
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1881
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2081
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2165
2291
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FAS1 6.
Laminin EGF-like :
EGF-like 15.
EGF-like 16.
EGF-like 17.
                                                                                                                    8895A663E9DB369C CRC64;
                                                                                      DB 2;
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 278
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                                                                                      Length 484;
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RESULT 37
Q50LY7_ENTHI PRELIMINARY; PRT; 799 AA.
AC Q50LY7;
DT 07-JUN-2005, integrated into UniProtKB/TrEMBL.
DT 07-JUN-2005, sequence version 1.
DT 07-FEB-2006, entry version 6.
DE Protein kinase, putative (Fragment).
GN ORFMames=650.00003;
OS Entamoeba histolytica HM-1:IMSS.
OC ENLARyota; Entamoebidae; Entamoeba.
OX NCBI_TaxID=294381;
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RA Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R.,
RA Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H.,
RA Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S.,
RA Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Yamamoto J., Kaito Y., Kodaira H., Kondo H., Sigawara M.,
RA Yamashi K., Yasuda T., Kaku Y., Kodaira H., Kondo H., Sugawara M.,
RA Yaki Y., Ishibashi T., Yamashita H., Murakawa K., Pujimori K.,
RA Ninomiya K., Ishibashi T., Yamashita H., Murakawa Y., Ishida S.,
RA Yanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S.,
RA Yani Y., Komai F., Hara R., Takeuchi K., Arita M., Hotuta T., Kusano J.,
RA Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata M., Sano S.,
RA Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O.,
RA Matsukawa Y., Matsunawa H., Ichihara T., Shiohata M., Sano S.,
RA Yoshikawa Y., Watanabe T., Sugiyama A., Takemoto M., Sano S.,
RA Yoshikawa Y., Watanabe T., Sugiyama A., Takawoto M., Kawakami B.,
RA Yamazaki M., Watanabe T., Sugiyama A., Takawoto M., Kawakami B.,
RA Yamazaki M., Watanabe T., Sugiyama A., Takawoto M., Kawakami B.,
RA Kawabata A., Hikiji T., Kobatake N., Inagaki H., Kuma Y., Okamoto S.,
RA Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA Matsumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R.,
RA Mizushima Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K.,
RA Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.;
RA Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.;
RA Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.;
RA Nakai K., Watanabe M., Watanabe M., Kuchi H., Masuho Y., Yamashita R.,
RA Nakai M., Watanabe M., Matanabe M., Matanabe M.
                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pfam; PF00431; CUB; 1.
Pfam; PF07699; GCC2_GCC3; 3.
SMART; SM00042; CUB; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ensembl; ENSG00000146197; Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nat. Genet. 36:40-45(2004).
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InterPro; IPR011641; GCC2_GCC3.
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                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
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PS01180; CUB; 1.
581 AA; 64343 MW;
                                                                                                                                                                                                                                                                                                                  QCSPGHYYNTSIHRCIRCAMGSYQPDFRQNFCSRCPGNT 374
                                                                                                                                                                                                                                                                                                                                                           QCSQNEYFDSLLHACIPCQL------RCSSNT
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Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                            22.8%;
30.8%;
                                                                                                                                                                                                                                                                                                                                                                                                     5.
                                                                                                                                                                                                                                                                                                                                                                                                                            Score 64.5;
Pred. No. 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             D17BC28CDA1E4EE1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mRNA.
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RESULTI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GO; GO:0005524; F:ATP binding; IEA.
GO; GO:0005524; F:ATP binding; IEA.
GO; GO:000166; F:nucleotide binding; IEA.
GO; GO:0004674; F:protein serine/threonine kinase activity; IEA.
GO; GO:0004713; F:protein-tyrosine kinase activity; IEA.
GO; GO:0016740; F:transferase activity; IEA.
GO; GO:0016468; P:protein amino acid phosphorylation; IEA.
InterPro; IPR006212; Furin repeat.
InterPro; IPR006212; Furin repeat.
InterPro; IPR008271; Ser Thr_pkin_AS.
InterPro; IPR001245; Tyr_pkinase.
InterPro; IPR001245; Tyr_pkinase.
InterPro; IPR001245; Tyr_pkinase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                        ULT 38
Y51_ENTHI
O50Y51_ENTHI PRELIMINARY; P
Q50Y51;
O7-UUT-2005, integrated into Un
O7-JUN-2005, sequence version 1
O7-FEB-2006, entry version 4.
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SEQUENCE 799 AA; 91662 MW; D8BFE2F2E2359
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NUCLEOTIDE SEQUENCE.
STRAIN=HM-1:IMSS;
                                                                                                                                                                                                                                                            CXXC-rich protein (F ORFNames=141.t00017;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PROSITE; PS00107; PROTEIN KINASE ATP; 1.
PROSITE; PS00101; PROTEIN KINASE DOM; 1.
PROSITE; PS00108; PROTEIN KINASE ST; 1.
ATP-binding; Kinase; Nucleotide-binding;
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             STRAIN=HM-1:IMSS
                                                                                                                                                                        Entamoeba histolytica HM-1:IMSS.
Eukaryota; Entamoebidae; Entamoeba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SMART; SM00261; FU;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRINTS; PR00109; TYRKINASE.
ProDom; PD000001; Prot_kinase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; AAFB01001427; EAL42605.1; -;
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                                            NUCLEOTIDE SEQUENCE
                                                                                                                            NCBI_TaxID=294381;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  preliminary data.
SIMILARITY: Belongs to the Ser/Thr protein kinase family.
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                                                                                                                                                                                                                                                                                           (Fragment)
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Pred. No. 34;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             D8BFE2F2E235989E CRC64;
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A Loftus B.J., Anderson I., Davies R., Alamark U.C., Samuelson J.,
A Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.
A Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
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A Chillingworth T., Churcher C.M., Hance Z., Harris B., Harris D.,
A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,
A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,
A Whitehead S., Quail M.A., Rabbinowitsch E., Norbertczak H., Price C.,
A Whitehead S., Quail M.A., Rabbinowitsch E., Norbertczak H., Price C.,
A Wang Z., Guillen N., Gilchrist C., Stroup S.E., Bhattacharya S.,
A Lohia A., Foster P.G., Sicheritz-Ponten T., Weber C., Singh U.,
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"The genome of the protist parasite Entamoeba histolytica.";
Nature 433.865-86(2005)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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29-MAR-2005,
07-FEB-2006,
                     InterPro;
InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Hypothetical protein DKFZp686B1223
Name=DKFZp686B1223;
Homo sapiens (Human)
                                                                                                                                                                                                              Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                           Poustka A., Albert R., Moosmayer P., Schupp I., Wellenre Mewes H.W., Weil B., Amid C., Osanger A., Fobo G., Han M Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q5CZB3_HUMAN
Q5CZB3;
                                                                                                                                                                                                                                                                                                                            TISSUE=Testis
                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL; AAFB01000471; EAL46536.1; -; Genomic_DNA InterPro; IPR006212; Furin_repeat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                 EMBL;
                                                                                                                                                                                                                                                                                                           The German cDNA Consortium;
                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE
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                                                                    InterPro;
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                                                                                                GO:0016020; C:membrane; IEA.
GO:0005509; F:calcium ion binding; IEA.
GO:0004888; F:transmembrane receptor activity; IEA
GO:0007596; P:blood coagulation; IEA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         preliminary data.
                                                                                                                                                              CR936607; CAI56752.1; -; mRNA.
bl; ENSG00000146197; Homo sapiens.
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12; Conser
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; IPR000152; Asx_hydroxyl_S.
; IPR000859; CUB.
; IPR006210; EGF 3.
; IPR000742; EGF 3.
; IPR001881; EGF_Ca_bd_2.
; IPR013091; EGF_Ca_bd_2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OCSONEYFOSTIHACIPCO --- LRCSSNTPPLTCO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence version 1. entry version 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      integrated into UniProtKB/TrEMBL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRELIMINARY;
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6; Mismatches
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Wiemann
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RESULT 40

QBNAU9 HUWAN

ID QBNAU9 HUWAN

AC QBNAU9 HOMO

DT 01-CCT-2002, s

DT 01-CT-2002, s

DT 01-CT-2
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RA Ota T. Suzuki Y. Nishikawa T., Otsuki T., Sugiyama T., Irie R.,
RA Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H.,
RA Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H.,
RA Wakamatsu A., Hayashi M., Nishi T., Shibahara T., Tanaka T., Ishi S.,
RA Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishi S.,
RA Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K.,
RA Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A.,
RA Murakami K., Yasuda T., Iwayanagi T., Kikkawa E., Omura Y.,
RA Minomiya K., Ishibashi T., Yamashita H., Kondo H., Sugawara M.,
RA Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M.,
RA Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K.,
RA Ono Y., Takiguchi S., Watanabe M., Hiraoka S., Chiba Y., Ishida S.,
RA Ono Y., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y.,
RA Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N.,
RA Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S.,
RA Yoshikawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H.,
RA Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H.,
RA Hishigaki H., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y.,
RA Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y.,
RA Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y.,
RA Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y.,
RA Kawakami T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA Mizushima-Sucano J., Satoh T., Shirani Y., Nakagawa K.,
RA Mizushima-Sucano J., Satoh T., Shirani Y., Nakagawa K.,
RA Mizushima-Sucano J., Satoh T., Shirani Y., Nakagawa K.,
RA Mizushima-Sucano J., Satoh T., Shirani Y., Nakagawa K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
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SMART; SM00042; CUB; 1.
SMART; SM00101; EGF; 6.
SMART; SM001179; EGF CA; 3.
PROSITE; PS00100; ASX HYDROXYL; 3.
PROSITE; PS01180; CUB; 1.
PROSITE; PS01186; EGF 2; 4.
PROSITE; PS01186; EGF 2; 4.
PROSITE; PS01187; EGF CA; 3.
PROSITE; PS01187; EGF CA; 3.
EGF-like domain; Hypothetical prot NON_TER
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Pfam; PF00008; EGF; 5.
Pfam; PF07645; EGF CA; 2.
Pfam; PF07699; GCC2_GCC3;
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InterPro; IPR013032;
InterPro; IPR011641;
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THRMBOMODULN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; EGF_like.
; EGF_like_reg.
; GCC2_GCC3.
; Thrmbomoduln.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chordata; Craniata; Vertebrata; Euarchontoglires; Primates; Cata
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             into UniProtKB/TrEMBL
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Pred. No. 3
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            Nakagawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13;
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RESULT 41
Q61V24 CAEBR
ID Q61V24;
AC Q61V24;
DT 23-NOV-2
DT 23-NOV-2
DT 07-FEB-2
DE Hypochet
GN Name-CBG
OS Caenorha
OC Eukaryot
OC Rhabditi
OX NCBI Tax
RN (1)
RP NUCLEOTI
RC STRAINA
RX PubMed-1
RA Chinwall
RA Criffith
RA Criffith
RA Criffith
RA Criffith
RA Chinwall
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Best Local (
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Nakai K., Yada T., I
"Complete sequencing
cDNAs.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROSITE;
PROSITE;
PROSITE;
PROSITE;
SEQUENCE
PubMed=14624247; DOI=10.1371/journal.pbio.0000045; Stein L.D., Bao Z., Blasiar D., Blumenthal T., Brent M.R., Chinwalla A., Clarke L., Clee C., Coghlan A., Coulson A., D'Eustachio P., Fitch D.H.A., Fulton L.A., Fulton R.E., Griffiths-Jones S., Harris T.W., Hillier L.W., Kamath R., Kuwabara P.E., Mardis E.R., Marra M.A., Miner T.L., Minx P., Mullikin J.C., Plumb R.W., Rogers J., Schein J.E., Sohrmann
                                                                                                                                                                        Caenorhabditis briggsae.
Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
                                                                                                                                                                                                      Name=CBG05036
                                                                                                                                                                                                                             23-NOV-2004, integrated into UniProtKB/TrEMBL 23-NOV-2004, sequence version 1. 07-FEB-2006, entry version 11.
                                                                                                                                                                                                                                                                         Q61V24_CAEBR
Q61V24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRINTS; PR00907; THRMBOMODULN.
SMART; SM00042; CUB; 1.
SMART; SM000181; EGF; 6.
SMART; SM00179; EGF_CA; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pfam; PF00431; CUB; 1.
Pfam; PF00008; EGF; 5.
Pfam; PF07645; EGF CA; 2.
Pfam; PF07699; GCC2_GCC3; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GO; GO:0016020; C:membrane; IEA.
GO; GO:0005509; F:calcium ion binding; IEA.
GO; GO:0004888; F:transmembrane receptor activity; IEA.
GO; GO:0007596; P:blood coagulation; IEA.
InterPro; IPR000152; Asx_hydroxyl_S.
                                                                                                   STRAIN=AF16
                                                                                                                 NUCLEOTIDE SEQUENCE
                                                                                                                                         NCBI_TaxID=6238;
                                                                                                                                                            Rhabditidae;
                                                                                                                                                                                                                  Hypothetical
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Copyrighted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SMUU1/Y; EUG C...
3; PS00010; ASX HYDROXYL; 3
2; PS01180; CUB; 1.
6; PS01186; EGF 2; 5.
6; PS50026; EGF 3; 3.
6; PS01187; EGF CA; 3.
7CE 880 AA; 97240 MW; F(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               P35555; 1LMJ
                                                                                                                                                                                                                                                                                                                                                                                                                   l Similarity
12; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          j IPR000152; Asx hydroxyl_s.
j IPR000859; CUB.
j IPR0008510; EGF
j IPR000742; EGF 3.
j IPR001881; EGF Ca_bd.
j IPR013091; EGF Ca_bd_2.
j IPR003092; EGF like_reg.
j IPR013032; EGF like_reg.
j IPR013032; EGF like_reg.
j IPR011641; GCCZ_GCC3.
                                                                                                                                                                                                                                                                                                                                                                                        QCSQNEYFDSLLHACIPCQL-----RCSSNT
                                                                                                                                                                                                                                                                                                                                                           QCSPGHYYNTSIHRCIRCAMGSYQPDFRQNFCSRCPGNT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 36:40-45(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                          Peloderinae; Caenorhabditis
                                                                                                                                                                                                                  protein
                                                                                                                                                                                                                                                                                        PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BAC03798.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           T., Nomura N., Kikuchi
Nakamura Y., Ohara O.,
ng and characterization
                                                                                                                 [LARGE
                                                                                                                                                                                                                                                                                                                                                                                                                                 22.8%;
                                                                                                                                                                                                                   CBG05036.
                                                                                                                 SCALE GENOMIC DNA]
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Pred.
                                                                                                                                                                                                                                                                                      PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                               64.5;
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                                                                                                                                                                                                                                                                                        Ä
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Isogai T., Sugano S.;
of 21,243 full-length
                                                                                                                                                                                                                                                                                                                                                                                                                                               DB
                                                                                                                                                                                                                                                                                                                                                                                                                                               2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 880;
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  Sohrmann M.,
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yano S.;
                                                                                                                                                                                                                                                                                                                                                                                                                     13;
                                                                        Chen
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RESULT QREGUZT OR OCC QREGUS NO OCC MO OCC M
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                       RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Listenenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Listenenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Wilting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Whiting M., Malan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Whiting M., Tochman J.W., Green E.D., Dickeon M.C.,
RA Moriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
RA Chency A.C., Grimood J., Schmutz J., Marya M., Smailus D.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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Best Local
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PROSITE;
Complete
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           comparative genomics.";
PLoS Biol. 1:166-192(2003)
-i- CAUTION: The sequence shown
   Schnerch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Signal peptide, CUB domain,
Name=SCUBE3;
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01-MAR-2004, sequence version
07-FEB-2006, entry version 14.
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Q86UZ9;
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InterPro; IPR006794; KeToacyl_synth.
InterPro; IPR002557; PerA_Chitin_bd.
InterPro; IPR003571; Snake_toxin.
InterPro; IPR066150; Worm_repeat_1.
Defan_Broider. Com. 14.0.2
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SMART; SM00289; WR1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=22388257; PubMed=12477932;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE=Pancreas;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pfam; PF01607; CBM_14; 2.
Pfam; PF01683; EB; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          42
HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO:0005576; C:extracellular region; GO:0008061; F:chitin binding; IEA. GO:0006030; P:chitin metabolism; IEA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7
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PS00272; SNAKE TOXIN; UNKNOWN
proteome, Hypothetical protein
919 AA; 96817 MW; BE3EFC09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           QCSQNEYFDSLLHACIPCQLR--CSSNTPPLTCQRYCNASVTNSVKG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10;
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Pred. No. 40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DOI=10.1073/pnas
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  QBIX30_HUMAN PRELIMINARY; PRT; 993 AA.
QBIX30;
QDIX30;
QOIX30;
QOIX30;
QOIXAR-2003, integrated into UniProtKB/TrEMBL.
Q1-MAR-2003, sequence version 1.
Q1-PEB-2006, entry version 22.
CUB and EGF containing protein (Signal peptide, CUB and EGF-like domain containing protein 3 precursor) (QTTHUMP00000016250).
Name=SCUBE3; Synonyms=CEGF3; ORFNames=RP3-329A5.4-001;
                                                                                                     NUCLEOTIDE SEQUENCE.

Pfarr N., Bahr A., Cichutek A., Loebbert R., Zabel B.U., Schmi Hankeln T., Winterpacht A.;

"Novel human gene family (CEGF) encoding mosaic proteins with like, STT2R and a CUB module: cloning and expression analysis Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens (Human).
Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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and mouse cDNA sequences.
Natl. Acad. Sci. U.
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Pfam; PF07645; EGF CA; 4.
Pfam; PF07699; GCC2_GCC3; 3
NUCLEOTIDE SEQUENCE.
PubMed=15234972; DOI=10.1074/jbc.M405912200;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SMART;
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                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
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I; SMOOIP9; EGF CA; 6.

ITE; PSOO1010; ASX_HYDROXYL; 6

ITE; PSO01180; CUB; 1.

ITE; PSO01186; EGF 2; 7.

ITE; PSO026; EGF 3; 6.

ITE; PSO0187; EGF CA; 6.

ENCE 992 AA; 109165 MW; 2
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IPRO00859; CUB.
IPRO06210; EGF.
IPRO01742; EGF 3.
IPRO01881; EGF_Ca_bd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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EGF Ca bd.
EGF Ca bd_2.
EGF like.
EGF like_reg
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Pred. No. 43
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Attribution-NoDerivs License
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07-DEC-2004, sequence version:
07-FEB-2006, entry version: 13.
ENSANGPO0000012534 (Fragment).
ORFNames=ENSANGG00000010045;
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SIGNAL
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Pfam;
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The Anopheles gambiae Sequence Committee; "Anopheles gambiae re-annotation.";
                                  STRAIN=PEST;
The Anophele
                                                                                                                                                                                                            Neoptera; Endopterygota;
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InterPro; IPR006210;
InterPro; IPR000742;
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                                                                                                                                                                                   Anophelinae;
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                                                                                                                                                         TaxID=180454;
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P35555; 1EMN
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PS50026;
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M00179; EGF CA; 6.
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PS01180; CUB; 1.
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                                                                                                                                                                                      Anopheles
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109282 MW;
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EGF Ca bd.
EGF Ca bd 2.
EGF like.
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GCC2_GCC3.
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30.8%;
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Pred. No. 43;
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V; 19BBE0E5627EEAF4 CRC64;
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era; Culicoidea; Cul
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21-FEB-2006,
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Q4N9US_THEPA
Q4N9US;
                STRAIN=Muguga;
PubMed=15994558; DOI=10.1126/science.1110439;
Budmed=15994558; DOI=10.1126/science.1110439;
Gardner M.J., Bishop R., Shah T., de Villiers E.P., Carlton J.M.,
Hall N., Ren Q., Paulsen I.T., Pain A., Berriman M., Wilson R.J.,
Sato S., Ralph S.A., Mann D.J., Xiong Z., Shallom S.J., Weidman J.,
Jiang L., Lynn J., Weaver B., Shoaibi A., Domingo A.R., Wasawo D.,
Crabtree J., Wortman J.R., Haas B., Angiuoli S.V., Creasy T.H., Lu
Crabtree J., Wortman J.R., Haas B., Angiuoli S.V., Pertea M.,
Suh B., Silva J.C., Utterback T.R., Feldblyum T.V., Pertea M.,
Allen J., Nierman W.C., Taracha E.L., Salzberg S.L., White O.R.,
Fitzhugh H.A., Morzaria S., Venter J.C., Fraser C.M., Nene V.;
"Genome Sequence of Theileria parva, a Bovine Pathogen That Transformatics."
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SEQUENCE
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SMART; SM00192; LDLa; 7.
SMART; SM00135; LY; 2.
SMART; SM00602; VPS10; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (APR-2004) to the EMBL/GenE-i- CAUTION: The sequence shown here EMBL/GenBank/DDBJ whole genome sh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pfam; PF02012; BNR; 6.
Pfam; PF00057; Ldl_recept_a;
Pfam; PF00058; Ldl_recept_b;
PRINTS; PR00261; LDLRECEPTOR.
                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Alveolata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORFNames=TP01_0011;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InterPro; IPR006210; EGF.
InterPro; IPR002860; Glyco_hydro_BNR
InterPro; IPR002772; LDL_rcpt_A.
InterPro; IPR000033; LDLR.
InterPro; IPR0006581; VPS10.
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                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=5875;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Theileria parva
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PROSITE; PS50068; LDLRA 2; 5.
PROSITE; PS51120; LDLRB; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL;
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GO:0008565; F:protein transporter activity; IEA.
GO:0006886; P:intracellular protein transport; IEA
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13; Conserv
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to the EMBL/GenBank/DDBJ databases
to the EMBL/GenBank/DDBJ databases
hown here is derived from an
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InterPro; IPR003439; ABC_transp_like.
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Q3WG13;
11-OCT-2005,
11-OCT-2005,
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                          Larimer F., Land M.;
"Annotation of the draft genome assembly of Frankia sp.
Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                  Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Hammon N., Israni S., Pitluck S., Richardson P.; "Sequencing of the draft genome and assembly of Frankia submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-FEB-2006, entry ve
Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Salzberg S.L., White O., Fitzhugh H.A., Morzaria S., Ven Fraser C.M., Nene V.;
Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Science 309:134-137(2005).
[2]
NUCLEOTIDE SEQUENCE.
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                                                                                                                                   US DOE Joint
                                                                                                                                                                                                                                                                                                                                                                                                                         US DOE Joint Genome Institute (JGI-PGF);
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18; Conservative
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Best Local
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Q3GKS9;
08-NOV-2005, integrat
08-NOV-2005, sequence
07-FEB-2006, entry ve
Hypothetical protein.
ORFNames-PcryoDRAFT_0
                                                                                                                                                                                                                                                                                                                                                                                                                     US DUE Joint Genome Institute (JGI-PGF);
Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Glavi-Hammon N., Israni S., Pitluck S., Richardson P.;
"Sequencing of the draft genome and assembly of Psychrobacter Cryohalolentis K5.";
                                                                                                                                                                                                                                                               Larimer F., Land M.;

"Annotation of the draft genome assembly of Psychrobacter cryohalolentis K5.";

Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry whi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Psychrobacter cryohalolentis K5.
Bacteria; Proteobacteria; Gammaproteobacteria;
Moraxellaceae; Psychrobacter.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                         Pfam; PF05728; UPF0227; 1.
Hydrolase; Hypothetical protein.
SEQUENCE 210 AA; 23245 MW; 6
                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; AAII01000007; EAN17768.1; -; Genomic_DNA.
                                                                                                                                                 InterPro; IPR000379; Ser_estrs.
InterPro; IPR008886; UPF0227.
                                                                                                                                                                                         EMBL; AAJC01000044; EAO09707.1; -;
                                                                                                                                                                                                                                                                                                                                                         US DOE Joint Genome Institute (JGI-ORNL)
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                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (JUL-2005) to the EMBL/GenBank/DDBJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=335284;
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                                                                                                                                                                           GO:0016787; F:hydrolase activity;
                                                                                                                                                                                                                                                           preliminary data.
73
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16; Conserv
                                                                 Similarity
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                         YFDSLL--HACIPCOLRCSSNTPPLTCORYCNASVTN 47
YFSTLISNHLGCPALLLNPSTQPHITLQRFYNASISN 109
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llarity 39.0%;
Conservative
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                                                                22.6%;
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Pred. No. 8.8;
4; Mismatches
                                                                 Score 64; DB 2; Length 210; Pred. No. 9.7;
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                                                                                                           67558A60F75E9F9B CRC64;
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                                                      Mismatches
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entry which
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RESULT 48
Q729F0 DESYH
ID Q729F0 DS YH
ID Q729F0 DS YH
ID Q729F0 DS YH
ID 05-UUL-2
DT 07-FEB-2
DE Hydrogen
GN Chesulfov
RN [1]
CC Bacteria
CC Bacteria
RN Heidelbe
RN Feldblyu
RN Heidelbe
RN Feldblyu
RN Heidelbe
RN TIFR GOON
RN FELDS
DN TIFR GOON
DN GOON

Q4IOY5
ID Q4IOY5
AC Q4
AC Q4
DT 16
DT 16
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OC E6
OC E6
OC H3
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Gibberella zeae (Fusarium graminearum).
Eukaryota; Fungi; Ascomycota; Pezizomycotina;
Hypocreomycetidae; Hypocreales; Nectriaceae; (
                                                                                     16-AUG-2005, integrated int
16-AUG-2005, sequence vers:
07-FEB-2006, entry version
Hypothetical protein.
ORFNames=FG09123.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4Fe-4S; Complete proteome; Electron transport; Iron; Iron-sulfur; Metal-binding; Transport.
SEQUENCE 494 AA; 54143 MW; 904B524RF7BB116B 7777.
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Q729F0;
Q729F0;
Q5-JUL-2004, integrated into UniProtKB/TrEMBL.
Q5-JUL-2004, sequence version 1.
Q7-FEB-2006, entry version 12.
Hydrogenase, iron-sulfur cluster-binding subunit, putative.
                                                                                                                                                                                                                                   Q4I0Y5_GIBZE
Q4I0Y5;
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Pfam; PF02662; FlpD; 1.
PRINTS; PR00421; THIOREDOXIN.
PROSITE; PS00198; 4FE4S_FERREDOXIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium, see http://www.uniprot.org/termsDistributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GO; GO:0006118; P:electron transport; GO; GO:0015948; P:methanogenesis; IEA. InterPro; IPR001450; 4Fe4S_Fe_S_bd. InterPro; IPR003813; FlpD. InterPro; IPR012285; Fum reductase_C. InterPro; IPR006662; Thiored.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TIGR; DVU2401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; AE017285; AAS96874.1; -; Genomic_DNA.
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Desulfovibrionaceae; Desulfovibrio.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OrderedLocusNames=DVU2401; ORFNames=DVU_2401; Desulfovibrio vulgaris (strain Hildenborough / ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
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                                                                                                                                                 entry version 5.
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31.8%;
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Pred. No. 24;
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                                 Sordariomycetes;
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RESULT 50
Q54KF9 DICDI
ID Q54KF9 L
AC Q54KF9 T
AC Q54KF9 T
DT 24-MAY 2
DT 24-MAY 2
DT 07-FEB-2
DF Hypothee
GN ORFNames
OS Dictyost
OC Eukaryot
OX NCBI_Tax
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RA Arachchi H.M., Barna N., Bastien V., Bloom T., Boguslavkiy L.,
RA Arachchi H.M., Barna N., Bastien V., Bloom T., Boguslavkiy L.,
RA Boukhgalter B., Butler J., Calvo S.E., Camarata J., Chang J.,
RA Choepel Y., Collymore A., Cook A., Cooke P., Corum B., DeArellano K.,
RA Diaz J.S., Dodge S., Dooley K., Dorris L., Elkins T., Engels R.,
RA Diaz J.S., Dodge S., Dooley K., Dorris L., Elkins T., Engels R.,
RA Diaz J.S., Gardyna S., Gerere S., Graham L., Grand-Pierre N.,
RA Brickson J., Faro S., Ferreira P., FitzGerald M., Gage D.,
RA Erickson J., Faro S., Ferreira P., FitzGerald M., Gage D.,
RA Hafez N., Hagopian D., Hagos B., Hall J., Horton L., Hulme W.,
RA Hafez N., Hagopian D., Hagos B., Hall J., Horton L., Hulme W.,
RA Hilev I., Jaffe D., Johnson R., Jones C., Kamal M., Kamata A.,
RA Iliev I., Jaffe D., Johnson R., Jones C., Kamal M., Kamata A.,
RA Lui A., Ma L.-J., Mabbitt R., MacLean C., Macdonald P., Major J.,
RA Manning J., Matthews C., Maucell E., McCarthy M., Meldrim J.,
RA Manning J., Matthews C., Maucell E., McCarthy M., Meldrim J.,
RA Micol R., Nielsen C.B., Norbu C., O'Connor T., O'Donnell P.,
RA Nicol R., Nielsen C.B., Norbu C., O'Connor T., O'Donnell P.,
RA O'Neil D., Oliver J., Peterson K., Phunkhang P., Pierre N.,
RA O'Neil D., Oliver J., Peterson K., Phunkhang P., Pierre N.,
RA Rogov P., Roman J., Schauer S., Schupback R., Seaman S., Severy P.,
RA Smirnov S., Smith C., Spencer B., Stange-Thomann N., Stojanovic N.,
RA RA Vassiliev H., Venkataraman V.S., Viel R., Vo A., Wang S., Wilson B.,
RA Vassiliev H., Venkataraman V.S., Viel R., Vo A., Wang S., Wilson B.,
RA Aunker R., Stanger B., Zandew L., Zimmer A., Zody M.,
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Matches
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                                                                                     OF4KF9 DICDI PRELIMINARY; PRT; 300 AA. 054KF9; 24-MAY-2005, integrated into UniProtKB/TrEMBL 24-MAY-2005, sequence version 1. 07-FEB-2006, entry version 4. Hypothetical protein. ORFNames=DDB0219228;
  Dictyostelium discoideum (Slime mold).
Eukaryota; Mycetozoa; Dictyosteliida; Dictyostelium.
NCBI_TaxID=44689;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR001138; Fungi_Trscrp_N.
Pfam; PF04082; Fungal_trans; 1.
Pfam; PF00172; Zn clus; 1.
SMART; SM00066; GĀL4; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Fusarium graminearum genome sequence.";
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-i- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROSITE; PS50048; ZN2 CY6 FUNGAL 2; 1.

Complete proteome; DNA binding; Hypothetical protein; Metal-binding; Nuclear protein; Transcription; Transcription regulation; Zinc. SEQUENCE 762 AA; 84756 MW; 55B25D037F21A35A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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GO:0046872; F:metal ion binding; IEA.
GO:0003700; F:transcription factor activity; IEA.
GO:0008270; F:zinc ion binding; IEA.
GO:0008270; F:regulation of transcription, DNA-dependent; IEA.
GO:0006350; P:transcription; IEA.
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Pred. No.
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RX Eichinger L., Pachebat J.A., Gloeckner G., Rajandream M.A.,
RA Eichinger L., Pachebat J.A., Gloeckner R., Szafranski K., Xu Q.,
RA Sucgang R., Berriman M., Song J., Olsen R., Szafranski K., Xu Q.,
RA Sucgang R., Berriman M., Song J., Olsen R., Szafranski K., Xu Q.,
RA Sucgang R., Berriman R., Hamlin N., Davies R., Gaudet P., Fey P.,
RA Hankier A.T., Lehmann R., Hamlin N., Davies R., Gaudet P., Fey P.,
RA Pilcher K., Chen G., Saunders D., Sodergren E.J., Davis P.,
RA Pilcher K., Nie X., Hall N., Anjard C., Hemphill L., Bason N.,
RA Kerhornou A., Nie X., Hall N., Anjard C., Hemphill L., Bason N.,
RA Farbrother P., Desany B., Just E., Morio T., Rost R., Churcher C.M.,
RA Cooper J., Haydock S., van Driessche N., Cronin A., Goodhead I.,
RA Cooper J., Haydock S., van Driessche N., Cronin A., Goodhead I.,
RA Mizny D.M., Mourier T., Pain A., Lu M., Harper D., Lindsay R.,
RA Hauser H., James K.D., Quiles M., Madan Babu M., Saito T.,
RA Hauser H., James K.D., Quiles M., Madan Babu M., Saito T.,
RA Knights A., Loulseged H., Mungall K.L., Oliver K., Price C.,
RA Guail M.A., Urushihara H., Hernandez J., Rabbinowitsch E., Steffen D.,
RA Guail M.A., Urushihara H., Hernandez J., Rabbinowitsch E., Steffen D.,
RA Sanders M., Ma J., Kohara Y., Sharp S., Simmonds M.N., Spiegler S.,
RA Tivey A., Sugano S., White B., Walker D., Woodward J.R., Winckler T.,
RA Cox E.C., Chisholm R.L., Gibbs R.A., Loomis W.F., Platzer M.,
RA Kav R P. Williams I.G. Near P. H. Noorel A. A. Barrell B.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q9GQ45 GIALA PRELIMINARY;
Q9GQ45;
01-MAR-2001, integrated into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hypothetical SEQUENCE 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE STRAIN=AX4;
                                                                                                                                                                                                                                                                                                                                    Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAR-2001, sequence version 07-FEB-2006, entry version 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cox E.C., Chisholm R.L., Gibbs R.A., Loomis W.F., Platzer M., Kay R.R., Williams J.G., Dear P.H., Noegel A.A., Barrell B.G.,
   InterPro; IPR006058; 2Fe2S_fd_BS.
InterPro; IPR006210; EGF.
InterPro; IPR006212; Furin repeat.
InterPro; IPR002230; Prot_Inh_Kazal
SMART; SM00181; EGF; 2.
                                                                                                                                                   EMBL; AF298862; AAG37862.1;
HSSP; O16119; 1EZG.
                                                                                                                                                                                                                                            Copyrighted by the UniProt Cons
Distributed under the Creative
                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Diplomonadida;
NCBI_TaxID=5741;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Variant-specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      InterPro; IPR000024; Fz_domain.
PROSITE; PS50038; FZ; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; AAFI01000151; EAL63792.1; -;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Giardia lamblia (Giardia intestinalis).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=M21-1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nature 435:43-57(2005)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kuspa A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'The genome of the social amoeba Dictyostelium discoideum.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      preliminary data.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MLQMAGQCSQNEYFDSLLHACIP-COLRCSSN----TPPLTCQRYCNASVT 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             300 AA;
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8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        UniProtKB/TrEMBL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 63.5;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9D863B38B2007E61
                                                                                                                                                                                   Genomic_DNA
                                                                                                                                                                                                                                               Commons
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Attribution-NoDerivs License
                                                                                                                                                                                                                                                                           see http://www.uniprot.org/terms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Giardiinae; Giardia
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entry which
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RC STRAIN=C57BL/6; TISSUB-Brain;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Strausberg R.L., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Blownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., Wadna P.J., McKernan K.J., Malek J.A., Gunaratte P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Warny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Richards S., Wanny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Richards M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Willalon D.K., Marny D.M., Schmutz J., Wyers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Wyers R.M.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Wyers R.M.,
"Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences.",
The Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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Best Local
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PROSITE; PS00197; 7
PROSITE; PS00282; I
NON TER 148
NON TER 548
SEQUENCE 548 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-OCT-2004,
11-OCT-2004,
07-FEB-2006,
                                                                                            InterPro;
InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurogna Muroidea; Muridae; Murinae; Mus.
                                      InterPro;
InterPro;
                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=C57BL/6; TISSUE=Brain;
Director MCC Project;
Submitted (AUG-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                   MGI; MGI:3045253; Scube3.
GO; GO:0005509; F:calcium ion binding; IEA
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Q68FG9;
                                                                                                                                                                                                                                          Ensemb.
                                                                                                                                                                                                                                                                                                                       Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                     BC079849; AAH79849.1; -;
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; IPR000152; Asx_hydroxyl_S.
; IPR000859; CUB-
; IPR006210; EGF.
; IPR00742; EGF 3.
; IPR001881; EGF_Ca_bd.
; IPR013091; EGF_Ca_bd_2.
                                                                                                                                                                                                                                    ENSMUSG00000038677; Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGOCDOGTYADPTTGOCKPCGI----TDCATCEYNATISOPOCKTCSTSSNKMVK 259
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nilarity 30.4%;
Conservative
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KAZAL; UNK
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UNKNOWN_1.
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Pred. No. 31;
4; Mismatches
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                                                                                                                                                                                                                                                                                                                       Attribution-NoDerivs License
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Best Local S
Matches 12
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Pfam; PF07645; EGF CA; 3.
Pfam; PF07699; GCC2 GCC3; 2
SMART; SM00042; CUB; 1.
SMART; SM00181; EGF; 7.
SMART; SM00179; EGF CA; 4.
                                            InterPro; IPR000742;
InterPro; IPR001881;
InterPro; IPR01309;
InterPro; IPR01309;
InterPro; IPR013032;
InterPro; IPR011641;
InterPro; IPR011641;
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PROSITE;
PROSITE;
PROSITE;
                                  InterPro;
Pfam; PF00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE;
EGF-like
                                                                                                                                                  MGI; MGI:3045253; Scube3.
GO; GO:0005509; F:calcium ion binding; IEA
                                                                                                                                                                                                         Copyrighted by the UniProt Consortium, see http://www.uniprot.org/tubistributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                         PubMed=15234972; DOI=10.1074/jbc.M405912200; Wu B.T., Su Y.H., Tsai M.T., Wasserman S.M., Topper J.N. "A novel secreted, cell-surface glycoprotein containing epidermal growth factor-like repeats and one CUB domain expressed in primary osteoblasts and bones."; J. Biol. Chem. 279:37485-37490(2004).
                                                                                                                                                                                                                                                                                                                                                       Mammalia; Eutheria; Euarchontogı
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                            07-FEB-2006, en
Signal peptide,
                                                                                                                                                                          Ensembl
                                                                                                                                                                                      EMBL; AY639609; AAU08348.1; -; mRNA
                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                        Name=Scube3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q66PY1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q66PY1_MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
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InterPro; IPR013032;
InterPro; IPR011641;
                                                                                                                InterPro; IPR000859;
InterPro; IPR006210;
                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                             Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-OCT-2004,
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                                                                                                                                        [nterPro; IPR000152; Asx_hydroxyl.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOUSE
                                                                                                                                                              MGI:3045253;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              610
                                   PF00431;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7
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; PS01180; CUB; 1
; PS01186; EGF 2; 6
; PS50026; EGF 3; 4
; PS01187; EGF CA; 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QCSPGHYYNTSIHRCIRCAVGSYQPDFRQNFCTRCPGNT
                                                                                                                                                                          ENSMUSG00000038677; Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      827 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                             entry version 9.
de, CUB and EGF-like
                                                                                                                                                                                                                                                                                                                                                                                             (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                        Synonyms=SCUBE3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    sequence version 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                integrated into UniProtKB/TrEMBI
; CUB; 1.
; EGF; 6.
; EGF CA; 4.
; GCC2_GCC3;
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; EGF_like_reg.
; GCC2_GCC3.
                                             ; EGF 3.
; EGF Ca_bd.
; EGF Ca_bd_2.
; EGF like.
; EGF like reg
; GCC2_GCC3.
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90871 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 63.5; D
Pred. No. 47;
5; Mismatches
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g multiple
i is highly
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Q4UE95;
05-JUL-2005,
05-JUL-2005,
21-FEB-2006,
InterPro; ITANUAL ABC_tran; 2.

Pfam; PF00005; ABC_tran; 2.

SMART; SM00382; AAA; 2.

SMART; SM00382; AAA; 2.

PROSITE; PS00929; ABC_TM1F; 1.

PROSITE; PS00211; ABC_TRANSPORTER_1; UNKNOWN_1.

PROSITE; PS00211; ABC_TRANSPORTER_2; 2.

ATP-binding; Membrane; Nucleotide-binding; Transport.

ATP-binding; Membrane; Nucleotide-binding; Transport.
                                                                                                                                                                                                                                                                                                                                                                              STRAIN=Ankara isolate clone C9;

PubMed=15994597; DOI=10.1258/jrsm.98.7.320;

Pain A., Renauld H., Berriman M., Murphy L., Yeats C.A., Weir W.,

Kerhornou A., Aslett M., Bishop R., Bouchier C., Cochet M.,

Coulson R.M.R., Cronin A., de Villiers E.P., Fraser A., Fosker N.,

Gardner M.; Goble A., Griffiths-Jones S., Harris D.E., Katzer F.,

Larke N., Lord A., Maser P., McKellar S., Mooney P., Morton F.,

Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

Nene V., D., Rutter S., Saunders D., Seeger K., Shah T., Squares R.,

Squares S., Tivey A., Walker A.R., Woodward J., Dobbelaere D.A.E.,

Langsley G., Rajandream M-A., McKeever D., Shiels B., Tait A.,

"Genome of the host-cell transforming parasite Theileria annulata
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SIGNAL
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PROSITE;
PROSITE;
PROSITE;
                                                                                                                                                            EMBL, CR940348; CAI74594.1; -; Genomic DNA. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0005524; F:ATP binding; IEA. GO; GO:0015887; F:ATPase activity; IEA. GO; GO:0016887; F:ATPase activity, coupled to GO; GO:0042626; F:nucleotide binding; IEA. GO; GO:0000166; F:nucleotide binding; IEA. GO; GO:0006810; P:transport; IEA.
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SMART; SM00181; EGF;
SMART; SM00179; EGF_C
                                                                                                                 InterPro; IPR003593; AAA ATPase.
InterPro; IPR011527; ABC_TM_1.
InterPro; IPR003439; ABC_transp_like
                                                                                                                                                                                                                                                                                          Copyrighted by the UniProt Consortium, see http://www.uniprot.org/ta
Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                      compared with T. parva.";
Science 309:131-133(2005)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Theileria annulata.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=5874;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-FEB-2006, entry version 8.
(Subtelomeric) ABC-transporter family member, putative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pocar
                                                                                                                                                                                                                                                                                                                                      SIMILARITY: Belongs to the ABC transporter family.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; PS00010; AŠX_HYDROXYL; 6; PS01180; CUB; 1.
; PS01186; EGF 2; 7.
; PS50026; EGF_3; 6.
; PS01187; EGF_CA; 6.
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Pred. No. 57;
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Best Local
STRAIN=NOD; TĪSSUE=Activated spleen;
PubMed=16141072; DOI=10.1126/science.1112014;
Carminci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maed Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M., Davis M.J., Wilming L.G., Aidlinis V., Allen J.E., Ambesi-Impiombato A., Apweiler R., Aturaliya R.N., Bailey T.L., Bansal M., Baxter L., Beisel K.W., Bersano T., Bono H., Chalk A.M. Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R.,
                                                                                                                                                                                                                                                                                   STRAIN=NOD; TĪSSUE=Activated spleen;
MEDLINE=99279253; PubMed=10349636; D
Carninci P, Hayashizaki V;
"High-efficiency full-length cDNA cl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-OCT-2005, sequence version 1.
07-FEB-2006, entry version 6.
Thersfl3c protein (Activated spleen cDNA, RIKEN full-length enriched library, clone: P830206F13 product: tumor necrosis factor receptor superfamily, member 13c, full insert sequence).
Name=Thersfl3c;
                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE
STRAIN=NOD; TISSUE=1
                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
TISSUE=PCR rescued clones;
NIH MGC Project;
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Proc. Natl. Acad.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mouse cDNA sequences.";
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                                                                                                                                                                                                                                                               full-length cDNA cloning."; 303:19-44(1999).
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30.9%;
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Pred. No. 92;
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RA di Bernardo D., Down T., Engstrom P., Fagiolini M., Faulkner G.,
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RA Tammoja K., Tan S.L., Tang S., Taylor M.S., Tegner J., Teichmann S.A.,
RA Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
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RA Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,
RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
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Ra Hynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
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Best Local
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NUCLEOTIDE SEQUENCE.

STRAIN=NOD; TISSUE=Activated spleen;

STRAIN=2049374; PubMed=11042159; DOI=10.1101/gr.145100;

MEDLINE=2049374; PubMed=11042159; DOI=10.1101/gr.145100;

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GO; GC
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Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                      Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                         L; BC104126; AAI04127.1; -; mRNA.
L; AKI72406; BAE42991.1; -; mRNA.
GO:0009897; C:external side of plasma
GO:0016021; C:integral to membrane; RC
GO:0031296; P:B cell costimulation; II
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                                                                                                             Similarity
QCSQNEYFDSLLHACIPCQL 26
                                                                                                             22.3%;
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Pred. No. 10;
4; Mismatches
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RA Kitano H., Kollias G., Krishnan S.P., Kruger A., Aummerten R. Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J., RA Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J., RA Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J., Rak Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Marchionni L., RA Liuni S., McWilliam S., Madan Babu M., Madera M., Marchionni L., RA Mottagui-Tabar S., Mulder N., Nakano N., Nakauchi H., Ng P., RA Mottagui-Tabar S., Mulder N., Nakano N., Nakauchi H., Ng P., Ohara O., Sakiguchi S., Nishikawa S., Nori F., Ohara O., RA Nilsson R., Nishiguchi V., Pang K.C., Pavan W.J., Pavesi G., Pesole G., RA Petrovsky N., Piazza S., Reed J., Reid J.F., King B.Z., Ringwald M., RA Rost B., Ruan Y., Salzberg S.L., Sandelin A., Schneider C., Sekiguchi K., Semple C.A., Seno S., Sessa L., Sheng Y., RA Shibata Y., Shimada H., Shimada K., Silva D., Sinclair B., Sperling S., Stupka E., Sugiura K., Sultana R., Takenaka Y., Taki K., RA Spenda H., Van Nimwegen E., Verardo R., Wei C.L., Yagi K., RA Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C., RA Grimmond S.M., Teasdale R.D., Liu E.T., Brusic V., Quackenbush J.,
                                                NUCLEOTIDE SEQUENCE [MRNA] (100...
STRAIN=BALB/C; TISSUE=B-cell lymphoma;
STRAIN=BALB/C; TISSUE=B-cell lymphoma;
STRAINE=21442025; PubMed=11509692; DOI=10.1126/science.106190.,
Thompson J.S., Bixler S.A., Qian F., Vora K., Scott M.L.,
Cachero T.G., Hession C., Schneider P., Sizing I.D., Mullen C.,
Cachero T.G. Zafari M., Benjamin C.D., Tschopp J., Browning J.L.,
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27-MAY-2002,
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PubMed=16141072; DOI=10.1126/science.1112014;
Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N.,
Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K.,
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Muroidea; Muridae; Murinae; Mus.
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Tumor necrosis factor receptor superfamily member activating factor receptor) (BAFF receptor) (BAFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=21475520; PubMed=11591325; DOI=10.1016/S0960-9822(01)00481-X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAIN=A/J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (B-cell maturation defect)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Biol. 11:1547-1552(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             293:2108-2111(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a newly identified TNF receptor that specifically interacts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE [MRNA] (ISOFORM 1), AND DISEASE
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(BAFF-R) (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chalk A.M.,
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MGI; MGI:1919299; Tnfrsf13c.

RGO; GO:0009897; C:external side of plasma membrane; IDA.

RGO; GO:0016021; C:integral to membrane; TAS.

RGO; GO:0011295; P:B cell costimulation; IDA.

RGO; GO:0001782; P:B cell costimulation; IDA.

RGO; GO:0001782; P:positive regulation of B cell proliferation; IDA.

RGO; GO:0045078; P:positive regulation of interferon-gamma bio.

RGO; GO:0042102; P:positive regulation of T cell proliferation; IDA.

RGO; GO:0042102; P:positive regulation of T cell proliferation; IDA.

RGO; GO:0042102; P:positive regulation of Interferon-gamma bio.

RGO; GO:0012105; P:T cell costimulation; IDA.

RGO; GO:0050776; P:regulation of immune response; IMP.

RGO; GO:0050776; P:regulation
                                                                                                                                                                                                      TOPO DOM
                                                                                                                                      TOPO_DOM
                                                                                                                                                                                                                                                                                           Receptor;
CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Harless S.M., Lentz V.M., Sah A.P.
Hilbert D.M., Hayes C.E., Cancro M
"Competition for BLyS-mediated say
peripheral B lymphocyte numbers.";
Curr. Biol. 11:1986-1989(2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wahlestedt C., Mattick J.S., Hume D.A., Kai C., Sasaki D., Tomaru Fukuda S., Kanamori-Katayama M., Suzuki M., Aoki J., Arakawa T., Iida J., Imamura K., Itoh M., Kato T., Kawaji H., Kawagashira N., Kawashima T., Kojima M., Kondo S., Konno H., Nakano K., Ninomiya I Nishio T., Okada M., Plessy C., Shibata K., Shiraki T., Suzuki S. Tagami M., Waki K., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai
  SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "The transcriptional landscape of the mammalian genome.", Science 309:1559-1563 (2005).
                                               VARSPLIC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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                                                                                         DISULFID
                                                                                                            CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=21614654;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TISSUE SPECIFICITY: Highly expressed in spleen and testis; detected at lower levels in lung and thymus. DISEASE: Defects in Thirsfils are a cause of severe B-cell deficiency. B-cell deficient strain A/WySnJ has a 4.7 kb if in the BAFFR gene leading to an altered C-terminus. The mut is not detectable. B-cell lymphopoiesis is normal, but the span of peripheral B-cells is much reduced.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FUNCTION: B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS. Promotes the survival of mature B-cells and the B-cell response. SUBCELLULAR LOCATION: Membrane; single-pass type III membrane protein (Probable).
ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SIMILARITY: Contains 1 TNFR-Cys repeat.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IsoId=Q9D8D0-2; Sequence=VSP_006506;
                                                                                                                                                                                                                                                                                              Signal-anchor;
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Lentz V.M., Sah A.P., Hsu B.L., Clise-Dwyer K.,
Hayes C.E., Cancro M.P.;
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                                                                                                            protein (Potential).
Cytoplasmic (Potential)
TNFR-Cys (incomplete)
N-linked (GlcNAc.
Missing (in isoform 2).
/FTId=VSP_006506.
28BC7C1A02FB87EF CRC64;
                                                                                                                                                                                                                         superfamily member 1:
/FTId=PRO_0000058934
Extracellular (Potent
                                                                  By similarity
                                                                                                                                                                                                      Signal-anchor for type III
                                                                                                                                                                                                                                                                                           Tumor necrosis factor receptor
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A Klausner R.D., Collins F.S., Wagner L., Sheamen C.M., Schuler G.D.,

A Altschul S.F., Zeeberg B., Buctow K.H., Schaefer C.F., Bhat N.K.,

A Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Schapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Stapleton M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

A Whiting M., Madan A., Young A.C., Shevchenko Y., Bockson M.C.,

Balakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

B Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
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Matches
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11-OCT-2005,
07-FEB-2006,
                                                                                                            EMBL; BC104127; AA104128.1; -; mRNA. EMBL; DQ294929; ABC24674.1; -; mRNA. EMBL; DQ294928; ABC24673.1; -; mRNA. MGI; MGI:1919299; Thfrsf13c.
                                                                                                                                                                                                                                                             STRAIN=A.SW, and SJL/J; TISSUE=Spleen; Libbey J.E., Peterson L.K., Tsunoda I., Fujinami R.S.; Libbey J.E., Peterson L.K., Tsunoda I., Fujinami R.S.; "Monoclonal MOG autoantibody from progressive EAE has the characteristics of a natural antibody."; Submitted (NOV-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
TISSUE=PCR rescued clones;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Buarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 and mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11-OCT-2005, sequence version 1. 07-FEB-2006, entry version 5. Tumor necrosis factor receptor s
                                                                                                                                                                                                                                Copyrighted
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q3SXS6_MOUSE
Q3SXS6;
                                                                                                                                                                                                            Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                     Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=10090;
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GO:0009897; C:external side of plasma GO:0016021; C:integral to membrane; RC GO:0004872; F:receptor activity; IEA. GO:0031296; P:B cell costimulation; IT GO:0001782; P:B cell homeostasis; IMP GO:0030890; P:positive regulation of F
                                                                                                                                                                                                                                                                                                                                                                                                                       MGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mouse cDNA sequences.";
c. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                       Project
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                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
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                                                                                                                                                                                                                                                                                                                      and SJL/J; TIS:
Peterson L.K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           integrated
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                                                                                                                                                                                                                                                                                                                                                                                                                                        clones;
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                                                                                                                                                                                                                                                                                                                                                                                                     EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. 11;
; Mismatches
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   of B cell
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RESULT 59
Q3U106 MOU
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DT 11-OC
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DE ACtiv
DE Clone
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Best Local
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Best Local
              11-OCT-2005, integrated
11-OCT-2005, sequence ve
07-FEB-2006, entry versi
Activated spleen cDNA, F
clone:F830019J17 product
member 13c, full insert
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01-JUN-2002, :
01-JUN-2002, :
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SEQUENCE
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodent
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                               Q3U106_MOUSE
Q3U106;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mizuno K., Irie S., Sato T.-A.;
Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
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member 13c, ful
Name=Tnfrsf13c;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Copyrighted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mus musculus (Mouse)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; MGI:1919299; Tnfrsf13c.
GG:0003997; C:external side of plasma membrane; IDA.
GG:0016021; C:integral to membrane; RCA.
GG:0011626; P:B cell costimulation; IDA.
GG:0031296; P:B cell homeostasis; IMP.
GG:0001782; P:B cell homeostasis; IMP.
GG:0030890; P:positive regulation of B cell proliferation; IDA.
GG:0045078; P:positive regulation of Tcell proliferation; IDA.
GG:0042102; P:positive regulation of Tcell proliferation; IDA.
GG:0031295; P:Tcell costimulation; IDA.
GG:0031295; P:Tcell costimulation; IDA.
GG:0031295; P:Tcell costimulation; IDA.
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                                               product:tumor necrosis factor receptor superfamily,
                      insert sequence
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Pred. No. 11;
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Attribution-NoDerivs License
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RA Hill D, Huminiecki L, Iacono M, Ikoc K, Iwama A, Ishikawa T, RA Jakt M., Kanapin A., Katoh M., Kawasawa Y., Kelso J., Kitamura H., RA Jakt M., Kanapin A., Katoh M., Kawasawa Y., Kelso J., Kitamura H., RA Jakt M., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K., RA Kitano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K., RA Kurochkin I.V., Lazareau L.F., Lazarevic D., Lipovich L., Liu J., RA Liuni S., McWilliam S., Madan Babu M., Madera M., Marchionni L., RA Liuni S., McWilliam S., Miki H., Mignone F., Miyake S., Morris K., RA Mottagui-Tabar S., Mulder N., Nakano N., Nakauchi H., Ng P., RA Nilsson R., Nishiguchi S., Nishikawa S., Nori F., Ohara O., Chazaki Y., Orlando V., Pang K.C., Pavan W.J., Pavesi G., Pesole G., RA Okazaki Y., Orlando V., Pang K.C., Pavan W.J., Pavesi G., Pesole G., RA Rost B., Ruan Y., Salzberg S.L., Sandelin A., Schneider C., Sekiguchi K., Semple C.A., Seno S., Sessa L., Sheng Y., RA Schonbach C., Sekiguchi K., Semple C.A., Seno S., Sessa L., Sheng Y., RA Sperling S., Stupka E., Sugiura K., Silva D., Sinclair B., Tammoja K., Tang S., Taylor M.S., Tegner J., Teichmann S.A., RA Tammoja K., Tang S., Taylor M.S., Tegner J., Teichmann S.A., RA Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C., RA Wahlestedt C., Mattick J.S., Hume D.A., Kai C., Sasaki D., Tomaru Y., RA Kawashima T., Kojima M., Kato T., Kawaji H., Kawagashira N., RA Kawashima T., Kojima M., Kato T., Kawaji H., Kawagashira N., RA Kawashima T., Kojima M., Plessy C., Shibata K., Shizaki T., Sizuki S., RA Tagami M., Waki K., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai J., RT Trangrintional Landscape of the mammalian genome ""The transcriptional Landscape of the mammalian genome ""
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MEDLINE-99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning"
Methods Enzymol. 303.10
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NUCLEOTIDE SEQUENCE.
STRAIN-NOD; TISSUS-ACTIVATEd spleen;
MEDLINE=22354683; PubMed=12466851; DOI=10.1038/nature01266;
MEDLINE=22354683; PubMed=12466851; DOI=10.1038/nature01266;
Okazaki Y., Furuno M., Kasukawa T., Adachi J., Bono H., Kiyosawa H.,
Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,
Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Schonbach C., Gojobori T.,
Baldarelli R., Hill D.P., Bult C., Hume D.A., Quackenbush J.,
Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K.W.,
Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K.W.,
Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=NOD; TISSUE=Activated spleen;
PubMed=16141073; DOI=10.1126/science.1112009;
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STRAIN=NOD; TISSUE=A
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RIKEN Genome Exploration Research Group, and Genome Science Group (Genome Network Core Team) and the FANTOM Consortium;
"Antisense Transcription in the Mammalian Transcriptome.";
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RP NUCLEOTIDE SEQUENCE.

RP NUCLEOTIDE SEQUENCE.

RP NUCLEOTIDE SEQUENCE.

RX MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;

RX MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;

RX MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;

RX MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;

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WICLEGTIDE TISSUE-Activated spleen;
STRAIN-NOD; TISSUE-Activated spleen;
MEDLINE-20499374; PubMed:11042159; DOI=10.1101/gr.145100;
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"Normalization and subtraction of rapid discovery of new ge
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Grimmond S., Gustincich S., H
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Gaasterland T., G
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STRAIN=NOD; TISSUE=1
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Hi M., Gissi C., Godzik A., Go
S., Hirokawa N., Jackson I.J
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TISSUE=Activated spleen

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GO; GO:00
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PROSITE; PS00652; TNFR NGFR 1; 1.
PROSITE; PS50050; TNFR NGFR 2; 3.
                                                                                                                               GO; GO:0004872; F:receptor activity; IEA. InterPro; IPR013032; EGF like reg. InterPro; IPR01368; TNFR C6.
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SMART; SM00208; TNFR; 3.
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                                                                                                                                                                                                     EMBL; AY380826; AAU10940.1; -; Genomic_DNA.
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Lymphocystis disease virus -
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GO:0016021; C:integral to membrane; RCA.
GO:0011296; P:B cell costimulation; IDA.
GO:0001782; P:B cell homeostasis; IMP.
GO:00030890; P:positive regulation of B cell proliferation;
GO:0045078; P:positive regulation of interferon-gamma bio.
GO:0042102; P:positive regulation of T cell proliferation;
GO:00427105; P:Tositive regulation of T cell proliferation;
GO:0050776; P:regulation of immune response; IMP.
GO:0031295; P:T cell costimulation; IDA.
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TaxID=256729;
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(BCFA7; Q3UT30; Q6F233; Q9D351;

(BCFA7; Q3UT30; Q6F233; Q9D351;

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(BCFA7; Q3UT30; G6F233; Q9D351;

(BCFA7; Q3UT30; Sequence version 2

(BCFA7; Q3UT30; Sequence version 2

Zinc finger protein 393 (Germ cell-specific zinc finger protein)

Zinc finger protein 393 (Germ cell-specific zinc finger protein)

Name=Znf393; Synonyms=Gzf; Zfp393;

Mus musculus (Mouse)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Sciurogna

Muroidea; Muridae; Murinae; Mus.

Muroidea; Muridae; Mus.
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STRAIN=129/Sv X C57BL; TISSUE-Testis;

MEDLINE=22239718; PubMed=12351194; DOI=10.1016/S0925-4773(02)00258-7;

Yan W., Burns K.H., Ma L., Marzuk M.M.;

"Identification of Zfp393, a germ cell-specific gene encoding a novel zinc finger protein.";
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Nishio T., Okada M., Plessy C., Shibata K., Shiraki T.,
Tagami M., Waki K., Watahiki A., Okamura-Oho Y., Suzuki
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       STRAIN=C57BL/6J;
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PubMed=16141072; DOI=10.1126/science.1112014;
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                                                                                                                      unscriptional landscape of the mammalian genome."; 309:1559-1563(2005).
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                                           [LARGE SCALE
                                               MRNA]
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Suzuki S.,
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Kawai J.,
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RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Raha S.S., McEwan P.J., McKernan K.J., Malek J.A., Gunaraten P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Willalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Willalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Hakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
"Generation and initial analysis of more than 15,000 full-length human
"Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 11
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GO; GO:0007276; P:gametogenesis; IDA.
GO; GO:0007276; P:gametogenesis; IDA.
InterPro; IPR007087; Znf C2H2.
Pfam; PF00096; Zf-C2H2; 3.
ProDom; PD000003; Znf C2H2; 2.
SMART; SM00355; ZnF C2H2; 3.
PROSITE; PS00028; ZINC_FINGER_C2H2_1; 3.
PROSITE; PS00128; ZINC_FINGER_C2H2_2; 3.
DNA-binding; Metal-binding; Nuclear protein; Rej
JT 62
70 ASPOR
QZTW70_ASPOR PRELIMINARY; PRT; 345 AA.
QZTW70;
24-JAN-2006, integrated into UniProtKB/TrEMBL
24-JAN-2006, sequence version 1.
07-MAR-2006, entry version 3.
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CONFLICT
CONFLICT
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AF508984; AAN31656.1; -; mRNA.

EMBL; AK018361; BAB31177.1; -; mRNA.

EMBL; AK139827; BAE24150.1; -; mRNA.

EMBL; BC064748; AAH64748.1; -; mRNA.

EMBL; BC064748; AAH64748.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
-!- FUNCTION: May be a germ cell-specific transcription
plays important roles in spermatid differentiation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Distributed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Transcription regulation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     development.
SUBCELLULAR LOCATION: Nucleus (Potential).
TISSUE SPECIFICITY: Exclusively expressed in testis and ovary.
Localized to step 3-8 spermatids in testis and growing oocytes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SIMILARITY: Contains 3 C2H2-type zinc fingers
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                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                         RCNEREWESQLIRSLPEHGVRCPSQLAPIPFQNYCQRSI
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341
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141
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                                                                                                                                                                                                                                                                                                                                                                  Zinc finger protein 393.

/FTId=PRO_000047556.

C2H2-type 1.

C2H2-type 2.

C2H2-type 3.

C2H2-type 3.

S -> G (in Ref. 2; BAB311.

L -> M (in Ref. 2; BAB311.
                                                                                                                                                                                                                                                                     9;
                                                                                                                                                                                                                                                                                                          Score 63;
                                                                                                                                                                                                                                                                                         Pred.
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                                                                                                                                                                                                                                                                                                            DB 1;
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                                                                                                                                                                                                                                                                                                            Length 341;
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RP STRAIN-RIB 40;

RX PubMed=16372010; DOI=10.1038/nature04300;

RX Machida M., Asai K., Sano M., Tanaka T., Kumagai T., Terai G.,

RA Kusumoto K., Arima T., Akita O., Kashiwagi Y., Abe K., Gomi K.,

RA Horiuchi H., Kitamoto K., Kobayashi T., Takeuchi M., Denning D.W.,

RA Horiuchi H., Kitamoto K., Kobayashi T., Takeuchi M., Denning D.W.,

RA Horiuchi H., Kitamoto K., Yu J., Archer D.B., Bennett J.W.,

RA Horiuchi H., Nierman W.C., Yu J., Archer D.B., Bennett J.W.,

RA Hosoyama A., Ichinomiya M., Igarashi R., Iwashita K., Juvvadi P.R.,

RA Hosoyama A., Ichinomiya M., Igarashi R., Iwashita K., Juvvadi P.R.,

RA Kato M., Kato Y., Kin T., Kokubun A., Maeda H., Maeyama N.,

RA Kato M., Kato Y., Sawano T., Takahashi M., Takase K., Paulsen I.,

RA Maruyama J., Nagasaki H., Nakajima T., Oda K., Okada K., Paulsen I.,

RA Mortman J.R., Yamada O., Yamagata Y., Anazawa H., Hata Y., Koide Y.,

RA Kuhara S., Ogasawara N., Kikuchi H.;

"Genome sequencing and analysis of Aspergillus oryzae.";

RI Nature 438:1157-1161(2005).
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A Kusumoto K., Arima T., Akita O., Kashwagi Y., Abe K., Gomi K.,

A Horiuchi H., Kitamoto K., Kobayashi T., Takeuchi M., Denning D.W.,

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A Galagan J.E., Nierman W.C., Yu J., Archer D.B., Bennett J.W.,

Bahatnagar D., Cleveland T.E., Fedorova N.D., Gotoh O., Horikawa H.,

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Kato M., Kato Y., Kin T., Kokubun A., Maeda H., Maeyama N.,

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A Maruyama J., Nagasaki H., Nakajima T., Oda K., Okada K., Paulsen I.,

A Wortman J.R., Yamada O., Yamagata Y., Anazawa H., Hata Y., Koide Y.,

A Wortman J.R., Yamada O., Yamagata Y., Anazawa H., Hata Y., Koide Y.,

Komori T., Koyama Y., Minetoki T., Suharnan S., Tanaka A., Isono K.,

Kuhara S., Ogasawara N., Kikuchi H.;

Williama Y., Minetoki H.;

Nature 438:1157-1161(2005).
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IG2_ASPOR
QZUIG2_ASPOR PRELIMINARY; E
QZUIG2_ASPOR PRELIMINARY; E
QZUIG2_2
QZUIG2_ASPOR PRELIMINARY; E
QZUIG2_A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORFNames=A0090023000067;
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VCE 345 AA; 38461 MW; 81A2549BFFFF02AD CRC64;
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          the UniProt
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      Consortium,
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RA Ambesi-Impionbato A. Apweiler R., Aturaliya R.N., Bailey T.L.,
RA Bansal M., Baxeer L., Beisel K.W., Bersano T., Bono H., Chalk A.M.,
RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R.,
RA Crowe M.L. Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Crowe M.L. Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Fletcher C.F., Fukushima T., Furuno M., Fucuki S., Gariboldi M.,
RA Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E.,
RA Hill D., Huminiecki L., Tacono M., Tkeo K., Twama A., Ishikawa T.,
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RA Kitano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K.,
RA Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J.,
RA Matsuda H., Matsuzawa S., Miki H., Mignone F., Miyake S., Morris K.,
RA Milsson R., Nishikawa S., Nokawa S., Nori F., Ohara O.,
RA Nilsson R., Nishiguchi S., Nishikawa S., Nori F., Ohara O.,
RA Okazaki Y., Orlando V., Pang K.C., Pavan W.J., Pavesi G., Pesole G.,
RA Petrovsky N., Piazza S., Reed J., Reid J.F., Ring B.Z., Ringwald M.,
RA Schonbach C., Sekiguchi K., Semple C.A., Seno S., Sessa L., Sheng Y.,
RA Schonbach C., Sekiguchi K., Semple C.A., Seno S., Sessa L., Sheng Y.,
RA Sperling S., Stupka E., Sugiura K., Sultana R., Takenaka Y., Taki K.,
RA Yamanishi H., Zabaroysky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Yamanishi H., Zabaroysky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Wahlestedt C., Mattick J.S., Hume D.A., Kai C., Sasaki D., Tomaru Y.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=C57BL/6J; TISSUE=Head;
PubMed=16141072; DOI=10.1126/science.1112014;
Carninci P., Kasukawa T., Katayama S., Gough
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MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
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Mammalia; Eutheria; Euarchontoglires; Glires;
Muroidea; Muridae; Murinae; Mus
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15 days embryo head cDNA, RIKEN full-length enriched library, clone:D930041P19 product:hypothetical Netrin, C-terminal/Laminin-type EGF-like domain/TIMP-like OB-fold/EGF-like domain containing protein,
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NCE 442 AA; 49080 MW; 7877DD0025B08CA3 CRC64;
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RX MEDLINE-22354683; Pubmed=12466851; DOI=10.1038/nature01266; RA Okazaki Y., Furuno M., Kasukawa T., Adachi J., Bono H., Kondo S., RA Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H., RA Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H., RA Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H., RA Nikaido I., Osato N., Saito R., Schombach C., Gojobori T., RA Sahika Y., Tomaru Y., Hasegawa Y., Nogami A., Schombach C., Gojobori T., RA Balke J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S., RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S., RA Galla E., Dragani T.A., Fletcher C.F., Forrest A., Frazer K.S., RA Grimmond S., Gustincich S., Hirokawa N., Jackson I.J., Jarvis E.D., RA, Kanai A., Kawaji H., Kawasawa Y., Kedzierski R.M., King B.L., Kanai A., Kawaji H., Kawasawa Y., Kedzierski R.M., King B.L., RA, Kanai A., Kurochkin I.V., Lee Y., Lenhard B., Lyons P.A., Maltais L., Warchionni L., McKenzie L., Miki H., RA, Nagashima T., Numata K., Okido T., Pavan W.J., Pertea G., Pesole G., RA, Nagashima T., Numata K., Okido T., Pavan W.J., Pertea G., Pesole G., RA, Ravasi T., Reed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M., Sandelin A., Schneider C., Semple C.A., Secou M., Shimada K., Sultana R., Takenaka Y., Taylor M.S., Teasdale R.D., Tomita M., Vang Y., Watanabe Y., Wells C., RA, Verardo R., Wannshaw-Boris A., Yanagisawa M., Yang I., Yang L., Yang L., Yang L., Wannishi A., Yoshino M., Kawai J., Alzawa K., Arakawa T., Fukuda S., RA, Miyazaki A., Sakai K., Kawai J., Alzawa K., Arakawa T., Fukuda S., RA, Miyazaki A., Sakai K., Sasaki D., Shibata K., Shinagawa A., Ra, Miyazaki A., Yoshino M., Waterston R., Lander E.S., Rogers J., Ra, Miyazaki A., Sakai K., Kawai J., Shibata K., Shinagawa A., Ra, Miyazaki A., Sakai K., Kawai J., Shibata K., Shinagawa A., Ra, Miyashizaki Y.,
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"Analysis of the mouse transcriptome 60,770 full-length cDNAs.", 
Nature 420:563-573(2002).
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PubMed=16141073; DOI=10.1126/science.1112009;
RIKEN Genome Exploration Research Group, and Genome Science Group
(Genome Network Core Team) and the FANTOM Consortium;
"Antisense Transcription in the Mammalian Transcriptome.";
Science 309:1564-1566(2005).
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409:685-690(2001)
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Pfam; PF01759; NTR; 1.
SMART; SM00643; C345C; 1.
SMART; SM00180; EGF Lam; 2.
PROSITE; PS00022; EGF 1; UNKNOWN 2.
PROSITE; PS01248; EGF LAM 1; 1.
PROSITE; PS50127; EGF LAM 1; 1.
PROSITE; PS50027; EGF LAM 2; 2.
PROSITE; PS50027; EGF LAM 2; 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Arakawa T., Carninci P., Fukuda S., Hashizume W., Hayashida K., Haori F., Iida J., Imamura K., Imotani K., Itoh M., Kanagawa S., Kawai J., Kojima M., Konno H., Murate M., Nakamura M., Ninomiya N., Nishiyori H., Nomura K., Ohno M., Sakazume N., Sano H., Sasaki D., Shibata K., Shiraki T., Tagami M., Tagami Y., Waki K., Watahiki A., Muramatsu M., Hayashizaki Y., Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hypothetical protein. SEQUENCE 454 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=C57BL/6J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     [6]
NUCLEOTIDE SEQUENCE.
STRAIN=CS7BL/6J; TISSUE=Head;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=C57BL/6J; TISSUE=Head;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PROSITE; PS50189; NTR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               interPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GO:0005198; F:structural molecule (GO:0005198; F:structural molecule (erPro; IPR002049; EGF laminin. erPro; IPR0113032; EGF like reg. erPro; IPR001134; Netrin C. am; PF00053; Laminin_EGF; 2.
                                                                                                                                                                                                                 302
                                                                                                                                                                                                                                                                                                                       242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MGI:2685330; Gm484.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AK142898; BAE25222.1; -; mRNA
                                                                                                                                                                                                                                                                  41
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                  CNASVTN 47
                                                                                                                                                                                                                                                                                                                                                                        QMAGQCSQNEYFDSL-LHAC---
                                                                                                                                                                                                              CNVSVSS 308
                                                                                                                                                                                                                                                                                                                       QTSGQCSCKLGVTGLTCNRCGPGYQQSRSPRMPCQRIPEATTTPATTPVASRSDPQCQGY
                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
     sequence version 1.
                           integrated into UniProtKB/TrEMBL
                                                                                  PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE=Head;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  49238 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  22.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                          6
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 63;
Pred. No.
                                                                                  PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24A0A9810BA5DFF3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                  1560
                                                                                                                                                                                                                                                                                                                                                                           ---IPCQLRCSSNTPPLT--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               activity; IEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                        29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 see http://www.uniprot.org/terms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                            19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 454
                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                          22;
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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RESULT 66
Q4UHW4 THEAN
Q4UHW4 THEAN
ID Q4UHW4;
AC Q4UHW4;
AC Q4UHW4;
DT 05-JUL-2005, integrated into UniProtKB/TrEMBL.
DT 05-JUL-2006, entry version 1.
DT 07-FEB-2006, entry version 5.
DE 1-phosphatidylinositol-4,5-bisphosphatephosphod ie (EC 3.1.4.11).
GN ORFNames=TA06965;
OS Theileria annulata.
OC Eukaryota; Alveolata; Apicomplexa; Piroplasmida; Th
                                                                                                                                                                                                   В
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                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                               GO; GO:0008233; F:peptidase activity; TE
GO; GO:0004289; F:subtilase activity; TE
GO; GO:0006508; F:proteolysis; TEA.
InterPro; IPR006210; EGF.
InterPro; IPR006212; Furin repeat.
InterPro; IPR000209; Pept S8 S53.
InterPro; IPR0002284; PrprotnconvertsP.
Pfam; PF02420; AFP; 1.
Pfam; PF01483; Pproprotein; 1.
Pfam; PF00182; Peptidase S8; 1.
ProDom; PD000717; PrprotnconvertsP; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; AL391868; CAI40809.1; J

EMBL; AL353607; CAI41234.1; -

EMBL; AL391868; CAI41234.1; J

EMBL; AL589653; CAI41234.1; J

EMBL; AL589653; CAI40809.1; -

EMBL; AL589653; CAI40809.1; J

EMBL; AL589653; CAI40875.1; J

EMBL; AL353607; CAI40675.1; J

EMBL; AL353607; CAI40675.1; J

EMBL; AL353607; CAI40675.1; J

EMBL; AL353607; CAI40675.1; J
                                                                                                                                                                                                                                                                                                               Protease.
NON TER
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                       SMART; SM00181; EGF; 1
SMART; SM00261; FU; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE.
Mashreghi-Mohammadi
Submitted (MAY-2005)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-FEB-2006, entry version 13.
Proprotein convertase subtilisin//kexin
Name=PCSK5; ORFNames=RP11-422N19.4-002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                          PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted
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                                                                                                                                                                                                    1154
                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                   KCSPSEYWDEDAPGCKPCHVKCFHCMGPAEDQ--CQTCPMNSL 1194
                                                                                                                                                                                                                             QCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSV
                                                                                                                                                                                                                                                                                                                                                          PS00138;
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1560
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                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                AA;
                                                                                                                                                                                                                                                                                                                                                          SUBTILASE_SER;
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                                                                                                                                                                                                                                                                                                                173890 MW; 7211FBC127A8A08C CRC64;
  Apicomplexa; Piroplasmida;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; -; Genomic_DNA.
; JOINED; Genomic;
; JOINED; Genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JOINED;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JOINED; Genomic DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JOINED; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL/GenBank/DDBJ databases
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                                                                                                                                                                                                                                                                       Score 63;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Genomic_
                                                                                                                                                                                                                                                           Mismatches
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                                                                                                                                                                                                                                                                                   Length 1560;
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     Theileriidae;
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                                                           sterase
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MKS3
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PubMed=15994597; DOLI-10.1258/jrsm.98.7.320;

A Pain A., Renauld H., Berriman M., Murphy L., Yeats C.A., Weir W.,

A Kerhornou A., Aslett M., Bishop R., Bouchier C., Cochet M.,

A Collson R.M.R., Cronin A., de Villiers E.P., Fraser A., Fosker N.,

A Collson R.M.R., Cronin A., de Villiers E.P., Fraser A., Fosker N.,

A Gardner M., Goble A., Griffiths Jones S., Harris D.E., Katzer F.,

A Larke N., Lord A., Maser P., McKellar S., Mooney P., Morton F.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

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A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

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A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

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A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitsch E.,

A Nene V., O'Neil S., Price C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
                                                                                                                                                                         MKS3_HUMAN STANDARD; PRT; 995 AA. Q5547AB; Q3ZCX3; Q7ZSTB; Q8IZ06; Q7-MAR-2006, integrated into UniProtKB/Swiss-Prot. 15-FEB-2005, sequence version 1. 07-MAR-2006, entry version 5. Meckelin (Meckel syndrome type 3 protein) (Transme
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pfam; PF00168; C2; 1.
Pfam; PF00388; PI-PLC-X; 1.
Pfam; PF00387; PI-PLC-Y; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE; PS50004; C2 DOMAIN; 1.
PROSITE; PS50007; PIPLC X DOMAIN; 1.
PROSITE; PS50008; PIPLC Y DOMAIN; 1.
PROSITE; PS00387; PPASE; UNKNOWN_1.
                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homin
                                                                                                                                    Name=TMEM67; Synonyms=MKS3;
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                  HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ProDom; PD001202; PI_PLC_Y;
SMART; SM00239; C2; I.
SMART; SM00148; PLCXC; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        InterPro; IPR008162; Pyrophosphatase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro;
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NUCLEOTIDE SEQUENCE
                                       NCBI_TaxID=9606
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GO:0016787; F:hydrolase activity; TEA.
GO:0014435; F:phosphoinositide phospholipase C activity; IEA.
GO:0007442; P:intracellular signaling cascade; IEA.
GO:0006629; P:lipid metabolism; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                             488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CR940347; CAI73325.1; -; Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PR00390; PHPHLIPASEC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; IPR0000008; C2.
pro11993; pH type.
pro11993; pH pLC.
pro01993; pI pLC.
pro00909; pI pLC.
pro001711; pI pLC.
pro001711; pI pLC.
                                                                                                                                                                                                                                                                                                                                                                                                                           QUGGSASASSIAEALLRGCRCIELDCQDGSEEPVLCHAWKNCHLTGSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QMAGQCSQNEYFDSLLHACIPCQLRCSSNT-PPLTCQRYCNASVTNSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 974 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   isolate clone
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 110874 MW;
[LARGE SCALE MRNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 62.5; D
Pred. No. 75;
9; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0E4988BA23DBAE41 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA.
                                                                                                                                                                                        (Transmembrane
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                                                                                           Hominidae
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RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Stapleton M.J., Usdin T.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Stapleton M.J., Usdin T.B., Bonaldo M.F., Carninci P., Prange C., A., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., A., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Gay L.J., Hulyk S.W., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Schein J.E., Jones S.J.M., Marra M.A., "Generation and initial analysis of more than 15,000 full-length human and many semiences" "Tend mouse CNMA semiences" "Tend mouse CNMA semiences" "Tend mouse CNMA semiences """
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Smith U.M., Consugar M., Tee L.J., McKee B.M., Maina E.N., Whelan S Morgan N.V., Goranson E., Gissen P., Lilliquist S., Aligianis I.A., Ward C.J., Pasha S., Punyashthiti R., Malik Sharif S., Batman P.A., Cox Bennett C.P., Woods C.G., McKeown C., Bucourt M., Miller C.A., Cox l Algazali L., Trembath R.C., Torres V.E., Attie-Bitach T., Kelly D.A Maher E.R., Gattone V.H., Harris P.C., Johnson C.A.,
                                                                                                                               EMBL; BC031220; AAH31220.1; -; mRNA.
EMBL; BC032835; AAH32835.1; ALT_INIT; mRNA
EMBL; BC054338; AAH54338.1; ALT_INIT; mRNA
Ensembl; ENSG00000164953; Homo Sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "The transmembrane protein meckelin (MKS3) is mutated in Meckel-Gruber syndrome and the wpk rat."; Nat. Genet. 38:191-196(2006).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and mouse cDNA sequences."; Proc. Natl. Acad. Sci. U.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=22388257; PubMed=12477932;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The German cDNA consortium; submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases
                                 HGNC; HGNC:28396; TMEM67.
MIM; 607361; phenotype
MIM; 607361; phenotype
InterPro; IPR000150; Hypothet cof
Alternative splicing; Disease muta
                                                                                                                                                                                                                           EMBL;
                                                                                                                                                                                                                                                                         Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                            Copyrighted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VARIANT MKS3 PRO-376, AND TISSUE SPECIFICITY PubMed=16415887; DOI=10.1038/ng1713;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE=Testis
                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE SPECIFICITY: Widely expressed in adult and fetal tissues. Expressed at higher level in spinal cord.
DISEASE: Defects in TMEM67 are the cause of Meckel syndrome type
                                                                                                                                                                                                                                                                                                                                                             (MKS3) [MIM:607361]. MKS3 is an autosomal recessive disorder characterized by a combination of renal cysts and variably associated features including developmental anomalies of the central nervous system (typically encephalocele), hepatic due
                                                                                                                                                                                                                                                                                                                                       dysplasia and cysts, and polydactyly.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUBCELLULAR LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FUNCTION: May be related
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                           BX648768; CAI45999.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Note=No experimental
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IsoId=Q5HYA8-1; Sequence=Displayed;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IsoId=Q5HYA8-2;
                                                                                                                                                                                                                                                                                              by the UniProt Consortium,
                   Transmembrane.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence=VSP_017415, VSP_017416; ental confirmation available;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           splicing; Named isoforms=2;
                                        Disease mutation; Glycoprotein; Membrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          U.S.A. 99:16899-16903(2002)
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Cell membrane; multi-pass
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Attribution-NoDerivs License
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Kelly D.A.,
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S9_CAEEL
Ol7969_CAEEL PRELIMINARY; PRT; 999 AA.
Ol7969; Q19998;
Ol-NOV-1996, integrated into UniProtKB/TrEMBL
Ol-MAY-1999, sequence version 2.
O7-FEB-2006; entry version 31.
                                                                                                                                                                                                                                                                               EMBL; Z37139; CAA85494.1; -; Genomic_DNA.
EMBL; Z34799; CAA85494.1; JOINED; Genomic_DNA.
EMBL; Z34799; CAA84320.1; -; Genomic_DNA.
EMBL; Z37139; CAA84320.1; JOINED; Genomic_DNA.
PIR; T19275; T19275.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           The C. elegans sequencing consort "Genome sequence of the nematode investigating biology.";
Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hypothetical protein. ORFNames=F34D10.2;
                                                                                                                                    InterPro; IPR003874; CDC45_like; PANTHER; PTHR10507; CDC45_like;
                                                                                                                                                           GO; GO:0006270; P:DNA replication initiation; IEA.
GO; GO:0000074; P:regulation of progression through cell cycle;
InterPro; IPR003874; CDC45_like.
                                                                                                                                                                                                                                        Ensembl; F34D10.2; Caenorhabditis elegans WormBase; WBGene00009372; F34D10.2.
                                                                                                                                                                                                                                                                                                                                                                                                       Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Nemato
Rhabditidae; Peloderinae;
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                                                                                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=99069613; PubMed=9851916; DOI=10.1126/science.282.5396.2012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN-Bristol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=6239;
                                                                                                                                                                                                                       WormPep; F34D10.2; CE01570
                                                                                                                        PF02724; CDC45;
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Score 62.5; D. Pred. No. 77; 2; Mismatches
    2
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N-linked (GlcNAc
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/FTId=VAR 025474.
V -> I (in dbSNP:3134031).
/FTId=VAR_025475.
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8B46A4EB375357C9
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                                       Length 999;
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C. C. Charlon: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is C. Charlon: "C. Charlon: "All M. Charlon: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RR GO; GO:0005524; F:ATP binding; IEA.

RR GO; GO:0005674; F:Protein serine/threonine kinase activity; IEA.

RR GO; GO:0004674; F:protein serine/threonine kinase activity; IEA.

RR GO; GO:0004713; F:protein-tyrosine kinase activity; IEA.

RR GO; GO:0004872; F:receptor activity; IEA.

RR GO; GO:0004867; F:serine-type endopeptidase inhibitor activity; IEA.

RR GO; GO:0004868; P:protein amino acid phosphorylation; IEA.

RR GO; GO:0004689; P:protein amino acid phosphorylation; IEA.

RR InterPro; IPR006210; EGF.

RR InterPro; IPR006212; F:rrin repeat.

RINterPro; IPR000719; Prot kinase.

RR InterPro; IPR000279; Ser thr pkinase.

RR InterPro; IPR001286; TNFR C6.

RR InterPro; IPR001286; TNFR C6.

RR InterPro; IPR001245; Tyr pkinase.

RR InterPro; IPR001245; Tyr pkinase.

RR InterPro; IPR001245; Tyr pkinase.

RR Ffam; PF07892; GCC2 GCC3; 2.

RR Pfam; PF07899; GCC2 GCC3; 1.
Query Match
Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                   PRINTS; PROO109; TYRKINASE; 1
ProDom; PD000001; Prot kinase; 1
SMART; SM00181; EGF; 3.
SMART; SM00261; FU; 4.
PROSITE; PS00107; PROTEIN KINASE
PROSITE; PS500110; PROTEIN KINASE
PROSITE; PS00108; PROTEIN KINASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-JUN-2005, sequence versi
07-FEB-2006, entry version
Protein kinase, putative.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q51ED6_ENTHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=HM-1:IMSS;
PubMed=15729342; DOI=10.1038/nature03291;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORFNames=10.t00040;
                                                                                                                                                                                                                        PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Entamoeba histolytica HM-1:IMSS
Eukaryota; Entamoebidae; Entamo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-JUN-2005,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAFB01000051; EAL51211.1; -;
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                                                                                                                                                                                                             PS00107; PROTEIN KINASE ATP; 1.
PS50011; PROTEIN KINASE DOM; 1.
PS00108; PROTEIN KINASE ST; 1.
PS50050; TNFR_NGFR_2; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  YEDSLLKTCIGRAFERVKKMTPPLRIQSYFVSSTPNGLDG 555
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                                                                                                                                                    1917
   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           integrated into
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                                                                                                                                                    AΑ;
                                      22.1%;
                                                                                                                                                    212684
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                                                                                                                                                    ME.
                                      Score 62.5;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           UniProtKB/TrEMBL.
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   red. No. 1.5e+02;
Mismatches 21;
                                                                                                                                                    4AD7144F6A3CF30D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1917
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                                                                            2;
                                                                        Length 1917;
       Indels
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   1;
   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ensembi; T23F1.6; Caenorhabditis elegans WormBase; WGGene00004153; T23F1.6. WormPap; T23F1.6; CE14080. GO; GO:0005515; F:protein binding; IPI. InterPro; IPR009475; DUF1096. InterPro; IPR009475; DUF1096. Pfam; PF02363; C tripleX; 8. Pfam; PF02363; DUF1096; 1.
                                                                                                                            -SORL_CHICK
Q98930;
Q1-DEC-2000,
Q1-FEB-1997,
Q1-MAR-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-JAN-1998,
01-JAN-1998,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18 CAEEL
018118 CAEEL
018118;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hypothetical Name=pqn-71;
                                                                                                                                                                                                                                      CHICK
                                                      01-FEB-1997, sequence version 1.
07-MAR-2006, entry version 45.
Sortilin-related receptor containing Sortilin-related receptor containing LDLR class A repeats) (SorLA) (SorLA-1) (Low-density lipoprotein receptor relative with 11 ligand-binding repeats) (LDLR relative with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Complete
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium, see http://www.uniprot.org/teDistributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The C. elegans sequencing consort "Genome sequence of the nematode
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Caenorhabditis elegans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               investigating biology.";
science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=99069613; PubMed=9851916; DOI=10.1126/science.282.5396.2012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=Bristol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE [LARGE SCALE
                                        11 ligand-binding repeats)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         [ntAct; 018118;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INTERACTION:
(017400:abu-1; NbExp=1; IntAct=EBI-326590, EBI-313842;
P91419:abu-11; NbExp=1; IntAct=EBI-326590, EBI-313979;
P91419:abu-11; NbExp=1; IntAct=EBI-326590, EBI-312512;
076840:ppn-1; NbExp=1; IntAct=EBI-326590, EBI-312512,
Q21746:R05F9.10; NbExp=1; IntAct=EBI-326590, EBI-313756;
P05690:vit-2; NbExp=1; IntAct=EBI-326590, EBI-313756;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             T25169;
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                                                                                                                                                                                                                                                                                                                               9
gallus
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    proteome; Hypothetical 330 AA; 36605 MW; I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CNKGSYLNTKTHRCEPCPAGTYSNTTTATSCEKCLEQEWSNS
                                                                                                                                                                                                                                                                                                                               CASSQQYQLQTSQCMPACQQSCSQQCQSNTNTQCQPTCQQSCQTSSCN 106
                                                                                                                                                                                                                                                                                                                                                                       CSQNEYFDSLLHACIP----CQLRCSSNTPPL---TCQRYCNASVTN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CSQNEYFDSLLHACIPCOLRCSSNTPPLT-CORYCNASVINS
                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein pqn-71.
ORFNames=T23F1.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequence version entry version 32.
                                                                                                                                                                            integrated into UniProtKB/Swiss-Prot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             T25169.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       integrated into UniProtKB/TrEMBL
    (Chicken)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CAB03405.1; -;
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                                                                                                                                                                                                                       STANDARD
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29.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                              Score 62; DB Pred. No. 28; 7; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genomic_DNA.
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F043B1A90D3A8FE9 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                19;
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, EBI-313979;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 330;
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                                                                                                                                                                                                                                                                                                                                                                                                                  2
      InterPro; IPRO13032; E
InterPro; IPRO03961; E
InterPro; IPRO02160; C
InterPro; IPRO02172; I
InterPro; IPRO00033; I
InterPro; IPRO06581; V
Pfam; PF02012; BNR; 5
Pfam; PF00041; fn3; 1
                                                                                                                                                                                                                                                                                                                                                                                                                PROSITE;
PROSITE;
PROSITE;
                      REPEAT
REPEAT
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REPEAT
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REPEAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; Y08109; CAA69324.1; -; mRNA.
HSSP; P01130; 1AJJ.
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                                                                                                                                                                            REPEAT
                                                                                                                                                                                                                       REPEAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pfam; PF00057; Ldl_recept_a; Pfam; PF00058; Ldl_recept_b; Pfam; PR00261; LDLRECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ensembl; ENSGALG00000006598; Gallus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Distributed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Copyrighted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                            Cholesterol metabolism; EGF-like domain;
                                                                                                                                                                                                                                                                                                                                                                                            PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                  REPEAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein (Potential).
TISSUE SPECIFICITY: Expressed abundantly
                                                                                                                                                                                                                                                                                                          Lipid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SM00192; LDLa; 1
SM00135; LY; 4.
SM00602; VPS10;
                                                                                                                                                                                                                                                                                    metabolism;
                                                                                                                                                                                                                                                                                                                                                                                                         PS01186; EGF_2; 1.
PS50026; EGF_3; FALSE_NEG
PS500853; FN3; 1.
                                                                                                                                                                                                                                                                                                                                                     PS50068; LDLRA_2; PS51120; LDLRB; 5
                                                                                                                                                                                                                                                                                                                                                                                            PS01209; LDLRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IPR000742;
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MEDLINE=97301565; PubMed=9157966;
MOTWARD S., Yamazaki H., Bujo H., Kusunoki J., Kanaki T., Seimiya K.,
Morisaki N., Nimpf J., Schneider W.J., Saito Y.;
Morisaki N., Nimpf J., Schneider W.J., Saito Y.;
"A novel mosaic protein containing LDL receptor elements is highly
conserved in humans and chickens.";
conserved in humans and chickens.";
Arterioscler. Thromb. Vasc. Biol. 17:996-1002(1997).
-i- FUNCTION: Likely to be a multifunctional endocytic receptor, that
may be implicated in the uptake of lipoproteins and of proteases.
Binds LDL, the major cholesterol-carrying lipoprotein of plasma,
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SUBCELLULAR LOCATION: Membrane; single-pass type I membrane
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                                                                                                                                             /FTId=PRO_0000064332.
BNR 1.
BNR 2.
BNR 3.
BNR 3.
BNR 4.
BNR 5.
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class B class B class B class B class B
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GO; GO:0005489; F:electron transporter activity; IE;
GO; GO:0005506; F:iron ion binding; IEA.
GO; GO:0006118; P:electron transport; IEA.
InterPro; IPR001450; 4Fe4S Fe_S bd.
InterPro; IPR013320; COnA_Tike_Subgrp.
InterPro; IPR006210; EGF.
InterPro; IPR01311; EGF_extracell.
InterPro; IPR01311; EGF_extracell.
InterPro; IPR01321; Eurin repeat.
InterPro; IPR006212; Furin repeat.
InterPro; IPR006212; Furin repeat.
InterPro; IPR001368; TNFR_C6.
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SMART; SM00181; EGF; 4.
SMART; SM00261; FU; 10.
PROSITE; PS01186; EGF 2; UNKNOWN
PROSITE; PS00652; TNFR NGFR 1; 1
SEQUENCE 3622 AA; 4I8776 MW;
GASA3 ARATH STANDARD; PRT; 99 AA.

P46607;
01-NOV-1995, integrated into UniProtKB/Swiss-Prot.
01-NOV-1995, sequence version 1.
07-MAR-2006, entry version 38.
Gibberellin-regulated protein 3 precursor.
Name=GASA3; OrderedLocusNames=AR4309600; ORFNames=T25P22.40;
Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons; rosios; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
NCBI_TaxID=3702;
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PubMed=15296759; DOI=10.1016/j.cub.2004.07.029;
PubMed=15296759; DOI=10.1016/j.cub.2004.07.029;
Zagulski M., Nowak J.K., Le Mouel A., Nowacki M., Migdalski A.,
Gromadka R., Noel B., Blanc I., Dessen P., Wincker P., Keller A
Cohen J., Meyer E., Sperling L.;
"High Coding Density on the Largest Paramecium tetraurelia Soma
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Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
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Nowak J.K., Migdalski A., Gromadka R.,
"Paramecium megabase sequencing project
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Paramecium tetraurelia.
Rukarvota; Alveolata; Ciliophora; Oligohymenophorea; Peniculida;
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ORFNames=PTMB.137c;
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07-FEB-2006, entry version 8.
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NCBI_TaxID=5888;
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RA Harris B., Ansorge W., Brandt P., Grivell L.A., Rieger M., Weichselgartner M., de Simone V., Obermaier B., Mache R., Mueller M., Ra Kreis M., Delseny M., Pujddomenech P., Watson M., Schmidtheini T., Ra Reichert B., Portecelle D., Perez-Alonso M., Boutry M., Bancroft I., Vost M., Hoheisel J., Zimmermann M., Wedler H., Ridley P., Ra Langham S.-A., McCullagh B., Bilham L., Robben J., Vandenbussche F., Van der Schweren J., Grymonprez B., Chuang Y.-J., Vandenbussche F., Ra Langham S.-A., McCullagh B., Bilham L., Robben J., Vandenbussche F., Ra Holzer E., Brandt A., Peters S., Van Staveren M., Dirkse W., Weitzeneger T., Bothe G., Ramsperger U., Hilbert H., Braun M., Ra Holzer E., Brandt A., Peters S., Van Staveren M., Dirkse W., Ra Mocijman P., Klein Lankhorst R., Rose M., Hauf J., Koetter P., Ra Mocijman P., Klein Lankhorst R., Rose M., Hall J., Koetter P., Ra Mocijman P., Klein Lankhorst R., Rose M., Hamard N., McLay K., Mayes R., Clark L., Doggett J., Hall S., Kay M., Lennard N., McLay K., Mayes R., Clark L., Doggett J., Hall S., Kay M., Lennard N., McLay K., Mayes R., Pettett A., Rajandream M.A., Lyne M., Benes V., Rechmann S., Rechter S., Cark M., Schatfe M., Grimm M., Lochnett T.-H., Raborkova D., Bloecker H., Schatfe M., Grimm M., Lochnett T., Herzl A., Rajandream M.A., Lyne M., Benes V., Rechmann S., Pettett A., Rajandream M.A., Lyne M., Benes V., Rechmann S., Rechter M., Granderath K., Dauner D., Herzl A., Raborkova D., Bloecker H., Schatfe M., Grimm M., Lochnett T.-H., Raborkova D., Bloecker H., Schatfe M., Grimm M., Lochnett T.-H., Raborkova D., Bloecker H., Schatfe M., Grimm M., Lochnett T.-H., Raborkova D., Bloecker H., Schatfe M., Johnson S., Tacon D., Jesse T., Raborkova D., Haase D., Lencke K., Mewes H., W., Stocker S., Pitch B., Bent E., Johnson S., Tacon D., Jesse T., Pathana D., Haase D., Lencke K., Mewes H., W., Stocker S., Pitch B., Martin M., Stocker S., Schott K., Johnson D., Rabort M., Berghoff A., Jones K., Dtone K., Cotton M., Joshu C., Altrend D., Stocker M., Manteed A., Hoheim J., Johns
MEDLINE=22954850; PubMed=14593172; DOI=10.1126/science.1088305; Yamada K., Lim J., Dale J.M., Chen H., Shinn P., Palm C.J., Southwick A.M., Wu H.C., Kim C.J., Nguyen M., Pham P.K., Cheuk R.F., Southwick A.M., Wu H.C., Kim C.J., Nguyen M., Pham P.K., Cheuk R.F., Karlin-Newmann G., Liu S.X., Lam B., Sakano H., Wu T., Yu G., Miranda M., Quach H.L., Tripp M., Chang C.H., Lee J.M., Toriumi M.J., Chan M.M., Tang C.C., Onodera C.S., Deng J.M., Akiyama K., Ansari Y., Arakawa T., Banh J., Banno F., Bowser L., Brooks S.Y., Carninci P., Chao Q., Choy N., Enju A., Goldsmith A.D., Gurjal M., Hansen N.F., Hayashizaki Y., Johnson-Hopson C., Hsuan V. W., Iida K., Karnes M., Khan S., Koesema E., Ishida J., Jiang P.X., Jones T., Kawai J., Kamiya A., Meyers C., Nakajima M., Narusaka M., Seki M., Sakurai T., Satou M., Tamse R., Vaysberg M., Wallender E.K., Wong C., Yamamura Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Herzog M., Dorne A.-M., Grellet F.; "GASA, a gibberellin-regularted gene related to the tomato GASTI gene."; Plant Mol. Biol. 27:743-752(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=20083488;
                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=cv.
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T., Duesterhoeft A., Stiekema W., Entian K.-D., Terryn N.,
                                                                                                                                                                                                                                                                                                                                                                  402:769-777(1999).
                                                                                                                                                                                                                                                                                               Columbia
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PubMed=7727751;
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Best Local :
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01-JUN-2002,
07-FEB-2006,
                    FlyBase; FBgn0036940; CG7348.
GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0008061; F:chitin binding; IEA.
GO; GO:0006030; P:chitin metabolism; IEA.
                                                                                                                                                                                                                                                                                   Stapleton M., Brokstein P., Hong L., Agbayani A., Carlson J., Champe M., Chavez C., Dorsett V., Dresnek D., Farfan D., Frise George R., Gonzalez M., Guarin H., Kronmiller B., Li P., Liao Miranda A., Mungall C.J., Nunco J., Pacleb J., Paragas V., Pat Patel S., Phouanenavong S., Wan K., Yu C., Lewis S.E., Rubin C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Drosophila melanogaster (Fruit fly).
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Signal.
SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; U11764; AAB06308.1; -; mRNA.
EMBL; AL161515; CAB78083.1; -; Genomic_DNA.
EMBL; AL161831; CAB82127.1; -; Genomic_DNA.
EMBL; AY052302; AAK96495.1; -; mRNA.
PIR; S60231; S60231.
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                                                                                                                     EMBL; AY071103; AAL48725.1; -; mRNA
                                                                                                                                                                   Distributed under the Creative Commons
                                                                                                                                                                                          Copyrighted
                                                                                                                                                                                                                                             Submitted
                                                                                                                                                                                                                                                                    Celniker S.;
                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=Berkeley;
                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ephydroidea; Drosophilidae; Drosophila
NCBI_TaxID=7227;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORFNames=CG7348;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q8SZ58_DROME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GenomeReviews; CT486007_GR; AT4G09600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              genome.";
Science 302:842-846(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pfam; PF02704; GASA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TAIR; At4g09600; -.
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"Empirical analysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LinkHub; P46687;
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TISSUB SPECIFICITY: Siliques and dry see
PTM: Six disulfide bonds may be present.
SIMILARITY: Belongs to the GAST1 family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         steps of germination.
SUBCELLULAR LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FUNCTION: Involved in late stages
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      47
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                                                                                                                                                                                                                                             (DEC-2001) to the EMBL/GenBank/DDBJ databases
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under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                into UniProtKB/TrEMBL
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Pred. No. 9;
7; Mismatches
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Gibberellin-regulated protein
/FTId=PRO 0000021324.
84549B74B08A47FA CRC64;
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Arabidopsis
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Park S.,
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ID Q5VW81_DROME
AC Q5VW81_DT O1-MAY-2000, s
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RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Adams M.D., Celniker S.E., Hill R.A., Evans C.A., Gocayne J.D.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.K.,
RA Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D.,
RA Ballew R.M., Basu A., Baxer E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Barlis V.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroğlu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA Gerbahos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA de pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA docion K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA docion K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Harris N.L., Harvey D.A., Heiman T.J., Hermandez J.R., Houck J.,
RA Harris N.L., Harvey D.A., Heiman T.J., Hermandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., IDegwam C.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Degwam C.,
RA Mcimble B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Woshrefi A.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Woshrefi A.,
RA Melson D.R., Nelson K.A., Saunders R.D. C., Scheeler F., Shen H.,
RA Svirskas R., Tector C., Turner R., Venter J., Wang A.H., Wang X.,
RA Sinen E.C., Stden-Kiamos I., Singson M., Skrupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun B.,
RA Sinen S.H., Wolner J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Sings R.H., Zhong F.N., Zhong W., Zhon W., Zhang G., Zhao Q., Zheng L.,
RA Sings R.H., Shang R., Zhong W., Zhon X., Zhu X., Smith
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Best Local
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SMART; SM00494; ChtBD2; 3.
PROSTITE; PSS0940; CHIT BIND II; 4
SEQUENCE 353 AA; 39712 MW; F5/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.
NUCLEOTIDE SEQUENCE.
MEDLINE=22426065; PubMed=12537568;
Celniker S.E., Wheeler D.A., Kronm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=20196006;
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28.1%;
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   Kronmiller B.,
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Pred. No. 34;
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   Carlson J.W.,
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RESULT 76
Q61LZ9 CAEBR
ID Q61LZ9 CAEBR
AC Q61LZ9,
DT 23-NOV-2004,
DT 23-NOV-2004,
DT 07-FEB-2006,

sequence version entry version 6.

integrated into UniProtKB/TrEMBI

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Misra S., Crosby M.A., Mungall C.J., Matthews B.B., Campbell K. Hradecky P., Huang Y., Kaminker J.S., Millburn G.H., Prochnik S Smith C.D., Tupy J.L., Whitfield E.J., Bayraktaroglu L., Berman Bettencourt B.R., Celniker S.E., G. Grey A.D.N.J., Drysdale R.A Harris N.L., Richter J., Russo S., Schroeder A.J., Shu S.Q., Stapleton M., Yamada C., Ashburner M., Gelbart W.M., Rubin G.M. Lewis S.E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patel S., Adams M., Champe M., Dugan S.P., Frise E., Hodgson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Patcleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Vente: Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M., "Finishing a whole-genome shotgun: release 3 of the Drosophila melanogaster euchtromatic genome sequence.";
Genome Biol. 3:RESEARCH0079-RESEARCH0079(2002).
                                                                                                                                                                                           Pfam; PF01607; CBM 14; 4. —
SMART; SM00494; ChiED2 3. 3. —
PROSTITE; PS50940; CHIT BIND II; 4. —
SEQUENCE 353 AA; 39713 MW; 1C66916504FD130B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE.
Berkeley Drosophila Genome Project;
Celniker S., Carlson J., Wan K., Pf.
Hoskins R., Stapleton M., Pacleb J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "The transposable elements of the Drosophila melanogaster a genomics perspective.";
                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; AE003514; AAF49068.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (JAN-2006) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                 FlyBase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted
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Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Yu C., Rubin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Annotation of the Drosophila melanogaster euchromatic
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                                                                                                                                                                                                                                                                                                              Base; FBgn0036940; CG7348.
GO:0005576; C:extracellular region; IEA.
GO:0008061; F:chitin binding; IEA.
GO:0006030; P:chitin metabolism; IEA.
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                                                                                                                        Similarity
KCSVGNYFDPARRACLPVAISAAHQCSCVLPDNATLANPSDCETYFRCHSGQAELVQ 174
                                              QCSQNEYFDSLLHACIPCQL----RCSSNTP----PLTCQRY--CNASVTNSVK 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
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28.1%;
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                                                                                                                                             Score 61.5;
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Svirskas
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                                                                                                                                             Length 353;
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ochnik S.E.,
Berman B.P.,
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01-MAY-2000,
21-FEB-2006,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "The genome sequence of Caenorhabditis briggsae: a platform comparative genomics.";
PLOS Biol. 1:166-192(2003).
-i- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                   EMBL;
PIR; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hypothetical protein.
ORFNames=T12A7.2;
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Q22423;
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NCBI_TaxID=6238;
                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=99069613; PubMed=9851916;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN-Bristol N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea; Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Complete proteome; Hypothetical protein. SEQUENCE 432 AA; 46913 MW; C1DBA1E739E9B5F6 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=CBG08690
                                                                                                                                               Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                    Science
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Caenorhabditis elegans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pfam;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Caenorhabditis briggsae
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                                                                                                                                                                                                                                                            investigating biology.";
Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                       The C. elegans sequencing consort "Genome sequence of the nematode investigating biology.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=6239;
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Pfam; PF02363; C_tripleX; 10.
Pfam; PF06493; DUF1096; 1.
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   G88846;
T24856;
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Z73911; CAA98142.2;
G88846; G88846.
T24856; T24856.
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15; Conserv
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Pred. No. 42;
4; Mismatches
                                                                         Genomic_DNA
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                                                                                                                                                                                                                                                                                                                                      C. elegans: a platform
                                                                                                                                                                                                                                                                                                                                                                                                                DOI=10.1126/science.282.5396.2012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          483
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Best Local
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Best Local
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PROSITE; PS01186; EGF_2; 1.

PROSITE; PS50026; EGF_3; 1.

Cell adhesion; Complete proteome; EGF-like domain; Hypothetical protein; Membrane.

SEQUENCE 483 AA; 54281 MW; 4B2B7AB14BE0890E CR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GO; GO:0016020; C:membrane; IEA.
InterPro; IPR006210; EGF.
InterPro; IPR00742; EGF 3.
InterPro; IPR013032; EGF_like_reg.
SMART; SM00181; EGF; 1.
                                                                                                                                                                                                                                                                                                                                                                STRAIN=Rowbotham-Bradford;
PubMed=15486256; DOI=10.1126/science.1101485;
Raoult D., Audic S., Robert C., Abergel C., Renest
La Scola B., Susan M., Claverie J.-M.;
"The 1.2-megabase genome sequence of Mimivirus.";
Science 306:1344-1350(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=Rowbotham-Bradford;
MEDLINE=2250848; PubMed=12663918; DOI=10.1126/science.1081867;
La Scola B., Audic S., Robert C., Jungang L., de Lamballerie X.,
Drancourt M., Birtles R., Claverie J.M., Raoult D.;
"A giant virus in amoebae.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q5UQL4_MIMIV
Q5UQL4;
                                                                                                                                                                                              EMBL; AY653733; AAV50686.1; -; Hypothetical protein. SEQUENCE 491 AA; 56133 MW;
                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-DEC-2004,
07-DEC-2004,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HSSP; P00750; 1TPG.
Ensembl; T12A7.2; Caenorhabditis
WormBase; WBGene00011723; T12A7.2
WormPep; T12A7.2; CE23979.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE.
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                                                                                                                      Similarity
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                                                LQMAGQCSQNEYFDSLLHACIPCQ---LRCSSNTPPLTCQRYCNASVTNSV
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IKMTGQ--TQEYLDDLVKAVIRSNIILLSCNNNISQAICQNFYNGLSTSAL
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llarity 31.8%;
Conservative
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Pred. No. 49;
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RESULT 79 Q9VTR9_DROME ID Q9VTR9_DROME

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PRESENTABLE REPRESENTATION OF THE PRESENTATION OF THE PRESENTATION
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RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Goadyne J.D.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Goalle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Fleiffer B.D.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Barandon R.C., Rogers Y.-H.C., Blaze'R.G., Champe M., Pfeiffer B.D.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Ffannkoch C., Baldwin D.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Ffannkoch C., Baldwin D.,
RA Besson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Berist K.C., Busam D.A., Butler H., Gadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Hostin D., Houston K.A., Howland T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Hernandez J.R., Houck J.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
Lasko P., Lei Y., Levitsky A.A., Li J.H., Li Z., Liang Y., Lin X.,
Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.L.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Palazzolo M., Pittman G.S., Pan S., Pellard J., Puri Y., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheler F., Shen H.,
RA Reinert K., Remington K., Saunders R.D.C., Scheler F., Shen H.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Mar N., Nelson D.L.,
RA Abeng X.+, Zhong F. N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Zheng X.+, Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu C., Zhao Q., Zheng L.,
RL Schen S., Shen S., Pollard J., Wenser J.C.,
The Glober S., Stapleton M., Zhang G., Zhao Q., Zheng L.,
The Glober S., Shen S., Pollard J., Wenser J.C.,
The Glober S., S
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01-MAY-2000,
01-MAY-2000,
07-FEB-2006,
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Drosophila melanogaster (Fruit fly).
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
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Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                      MEDLINE=22426070; PubMed=12537573;
Kaminker J.S., Bergman C.M., Kronn
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                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
                                                                                              Ashburner M.,
                           The transposable elements of the genomics perspective ".
   Biol. 3:RESEARCH0084.1-RESEARCH0084.20(2002)
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287:2185-2195(2000).
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!2426065; PubMed=12537568;
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sequence version
entry version 27.
                                                                                                 Celniker S.E.;
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Wheeler D.A., Lewis
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                                                                  melanogaster
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11-OCT-2005,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pfam; PF01607; CBM 14; 12.
SMART; SM00494; ChEBD2; 7.
PROSITE; PS55940; CHIT BIND II; 12.
SEQUENCE 798 AA; 88442 MW; 1957
                        STRAIN=C57BL/6J; TISSUE=Aorta and MEDLINE=99279253; PubMed=10349636; Carninci P., Hayashizaki Y.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Berkeley Drosophila Genome Project;
Celniker S., Carlson J., Wan K., Pfeiffer B.,
Hoskins R., Stapleton M., Pacleb J., Park S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        [4]
NUCLEOTIDE SEQUENCE
                                                                                                                                                              Mammalia; Eutheria; Euarcho
Muroidea; Muridae; Murinae;
                                                                                                                                                                                                                                                                                                        clone:A530084C06
                                                                                                                                                                                                                                                                                                                              Adult male aorta and vein cDNA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Distributed under the Creative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (JAN-2006) to the
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FlyBase; FBgn00;
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  "High-efficiency full-length
                                                                                              NUCLEOTIDE
                                                                                                                                                                                                              Eukaryota;
                                                                                                                                                                                                                                    Mus musculus (Mouse)
                                                                                                                                                                                                                                                          Name=Foxq:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Annotation of the Drosophila melanogaster euchromatic genome:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lewis S.E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Base; FBgn0036234; CG17824.
GO:0005515; F:protein binding;
erPro; IPR002557; PerA_Chitin_bd
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                                                                                                                                                                                        Euarchontoglires;
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EMBL/GenBank/DDBJ
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9; Mismatches
  cDNA cloning.";
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Pred. No. 8
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oglires; Glires; Rodentia;
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DOI=10.1016/S0076-6879(99)03004-9;
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RA Ambesi-Impicionato A., Apweiler R., Aturaliya R.N., Bailey T.L.,
RA Ambesi-Impicionato A., Apweiler R., Aturaliya R.N., Bono H., Chalk A.M.,
RA Chiu K.P., Choudhary V., Christoffels A., Clutterbuck D.R.,
RA Crowe M.L. Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Crowe M.L. Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
RA Fletcher C.F., Fukushima T., Furuno M., Fucaki S., Gariboldi M.,
RA Gi Bernardo D., Down T., Engstrom P., Fagiolini M., Faulkner G.,
RA Fletcher C.F., Fukushima T., Furuno M., Fucaki S., Gariboldi M.,
RA Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E.,
RA Gustincich S., Harbers M., Hayashi Y., Hensch T.K., Hirokawa N.,
RA Hill D., Huminiecki L., Iacono M., Ikeo G., Kieamura H.,
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RA Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J.,
RA Kitano H., Kollias G., Krishnan S.P., Kruger A., Kummerfeld S.K.,
RA Kurochkin I.V., Lareau L.F., Lazarevic D., Lipovich L., Liu J.,
RA Kurochkin I.V., Lareau S., Madan Babu M., Madera M., Marchionni L.,
RA Matsuda H., Matsuzawa S., Miki H., Mignone F., Miyake S., Morris K.,
RA Milsson R., Nishiguchi S., Nishikawa S., Nori F., Ohara O.,
Okazaki Y., Orlando V., Pang K.C., Pavan M.J., Pavesi G., Pesole G.,
RA Rost B., Ruan Y., Salzberg S.L., Sandelin A., Schneider C.,
RA Schonbach C., Sekiguchi K., Semgle C.A., Seno S., Sessa L., Sheng Y.,
RA Sperling S., Stupka E., Sugiura K., Sultana R., Takenaka Y., Taki K.,
RA Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
RA Fukuda S., Kanamori Katayama M., Suzuki M., Aoki J., Arakawa T.,
RA Fukuda S., Kanamori Katayama M., Suzuki M., Aoki J., Arakawa T.,
RA Havashizaki Y., Shitaki T., Suzuki S.,
RA Havashizaki Y., Statahiki A., Okamura-Oho Y., Suzuki H., Kawai J.,
                                                                                                                                                                                                                                                             C STRAIN-C57BL/GJ; TISSUE=Aorta and vein;

XX MEDLINB-22354683; PubMed=12466851; DOI=10.1038/nature01266;

XA MEDLINB-22354683; PubMed=12466851; DOI=10.1038/nature01266;

XA Okazaki Y., Furuno M., Kasukawa T., Adachi J., Bono H., Kondo S.,

XA Nikaido I., Osato N., Salto R., Suzuki H., Yamanaka I., Kiyosawa H.,

XA Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Schonbach C., Gojobori T.,

XA Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Schonbach C., Gojobori T.,

XA Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Ouackenbush J.,

XA Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K.W.,

XA Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K.W.,

XA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,

XA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,

XA Blake J.A., Bradt D., Brusic V., Chothia C., Godzik A., Gough J.,

XA Gaasterland T., Gariboldi M., Gissi C., Godzik A., Gough J.,

XA Garimmond S., Gustincich S., Hirokawa N., Jackson I.J., Jarvis E.D.,

XA Kanai A., Kawaji H., Kawasawa Y., Kedzierski R.M., King B.L.,

XA Konagaya A., Kurochkin I.V., Lee Y., Lenhard B., Lyons P.A.,

XA Maglott D.R., Maltais L., Marchionni L., McKenzie L., Miki H.,

XA Maglott D.R., Maltais L., Marchionni L., McKenzie L., Miki H.,
Magalott D.R., Maltais L., Marchionni L., McKenzie L., Miki H., Nagashima T., Numata K., Okido T., Pavan W.J., Pertea G., Pesole Petrovsky N., Pillai R., Pontius J.U., Qi D., Ramachandran S., Ravasi T., Reed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M., Sandelin A., Schneider C., Semple C.A., Setou M., Shimada K., Sultana R., Takenaka Y., Taylor M.S., Teasdale R.D., Tomita M.,
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Carninci P., Kasukawa T., Katayama S., Goubh J., Frith M.C.,
Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimo
Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan
Davis M.J., Wilming L.G., Aidinis V., Allen J.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRAIN=C57BL/6J; TISSUE=Aorta and vein;
PubMed=16141073; DOI=10.1126/science.1112009;
RIKEN Genome Exploration Research Group, and Genome Science
(Genome Network Core Team) and the FANTOM Consortium;
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PubMed=16141072;
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us R., Shimokawa K.
                                                                  Z., Ringwald M.,
Shimada K.,
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RC STRAIN-CS7BL/GJ; TISSUE-Acrta and vein;
RC STRAIN-CS7BL/GJ; TISSUE-Acrta and vein;
RX MEDLINE-21085660; PubMed=11217851; DOI=10.1038/35055500;
RX MEDLINE-21085660; PubMed=11217851; DOI=10.1038/35055500;
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RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
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MEDLINE=2049374; PubMed=11042159; DG10.1101/gr.145100;
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"Ature 409:685-690(2001).
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MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
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RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

RA Altschul S.F., Zeeberg B., Buctow K.H., Schaefer C.F., Bhat N.K.,

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RA Pahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

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RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

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Droc Natl Nada Gott H. S. Onleas S.J.M.,

Droc Natl Nada Gott H. S. Onleas S.J.M.,

RA Scheers H. D., Dickson M.C.,

RA Scheen J.E., Jones S.J.M.,

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MGI; MGI:1298228; Foxq1.
GO; GO:0031069; P:hair follicle morphogenesis; IMP
                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                               Submitted (NOV-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE.
TISSUE=PCR rescued clones;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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Q32LX4;
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                                                                                                                                                                                            EMBL;
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                                          QNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSV
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Matches 14
NUCLEOTIDE SEQUENCE.

PubMed=15496914; DOI=10.1038/nature03025;

Jaillon O., Aury J.-M., Brunet F., Petit J.-L., Stange-Thomann Jaillon O., Aury J.-M., Brunet F., Petit J.-L., Stange-Thomann Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A., Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Seguren Nicaud S., Salanoubat M., Levy M., Boudet N., Castellano S., Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
                                                                                                                                                                                                                                                                                     NCBI_
                                                                                                                                                                                                                                                                                                                              Tetraodon nigroviridis (Green puffer).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-UIL-2005, integrated into UniProtKB/TrEMBL.
19-UIL-2005, sequence version 1.
07-FEB-2006, entry version 4.
Chromosome 2 SCAF15010, whole genome shotgun s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORFNames=GSTENG00031440001;
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Q4RNR8;
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01-NOV-1999, sequence version 1.
07-FEB-2006, entry version 20.
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MEDLINE=99214314; PubMed=10196271;
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Pfam; PF00516; GP120; 1.
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Best Local Matches

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Q4ZLE4;
Q4ZLE4;
07-JUN-2005, integrated into U
07-JUN-2005, sequence version
07-FEB-2006, entry version 5.
Hypothetical protein.
OrderedLocusNames=Psyr_5001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cruaud C., Duprat S., Cattolico L., Poulain J., De Berardinis V., Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S., Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J., Bosak S., Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M., Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C., Wincker P., Lander E.S., Weissenbach J., Roest Crollius H.; "Genome duplication in the teleost fish Tetraodon nigroviridis reveals the early vertebrate proto-karyotype.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; CAAE01015010; CAG09964.1; -; Genomic DNA.
GO; GO:0003676; F:nucleic acid binding; IEA.
GO; GO:0004522; F:pancreatic ribonuclease activity; IEA.
InterPro; IPR001427; RNaseA.
NON TER
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NON TER
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                                Complete SEQUENCE
                                                                                                                                                                                                PubMed=16043691; DOI=10.1073/pnas.0504930102; Feil H., Feil W.S., Chain P., Larimer F., Dibartolo G., Copeland A., Lykidis A., Trong S., Nolan M., Goltsman E., Thiel J., Malfatti S., Loper J.E., Lapidus A., Detter J.C., Land M., Richardson P.M., Loper J.E., Lapidus A., Detter J.C., Land M., Richardson P.M., Kyrpides N.C., Ivanova N., Lindow S.E.; "Comparison of the complete genome sequences of Pseudomonas syringae pv. syringae B728a and pv. tomato DC3000."; proc. Natl. Acad. Sci. U.S.A. 102:11064-11069(2005).
                                                                                                                                                                                                                                                                                                                                                                                Pseudomonas syringae pv. syringae
Bacteria; Proteobacteria; Gammapro
Pseudomonadaceae; Pseudomonas.
                                                                EMBL; CP000075; AAY40028.1; -; Genomic_I
GO; GO:0016772; F:transferase activity,
GO; GO:0016310; P:phosphorylation; IEA.
InterPro; IPR008279; PEP_mobile
                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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Submitted
                                                                                                                                                   Distributed under the Creative Commons Attribution-NoDerivs License
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PSEU2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Whitehead Institute Centre for Genome Researc (FEB-2004) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                    by the UniProt Consortium,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   entry version 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sequence version
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                                Hypothetical 90782 MW;
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Gammaproteobacteria; Pseudomonadales;
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Pred. No.
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                                | protein.
| 8A638679CAF477D6
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 61;
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            RA Richards S., Liu Y., Bettencourt B.R., Hradesky P., Letovsky S., RA Chen R., Smith M.A., Howells S.L., Scherer S.E., Sodergren E., RA Chen R., Smith M.A., Howells S.L., Scherer S.E., Sodergren E., RA Rives C.M., Metzker M.L., Munzy D.M., Wheeler D.A., Worley K.C., RA Rives C.M., Metzker M.L., Munzy D.M., Wheeler D.A., Worley K.C., RA Rives C.M., Metzker M.L., Bgan A., Gill R., Hume J., Morgan M.B., RA Hang Y., Waldron L., Verduzco D., Blankenburg K.P., Adams C., RA Allen C., Allen H., Anyalebechi V., Asomugha C., Bellard T., RA Hang Y., Waldron L., Verduzco D., Blanktrom D., Burrell K., Chacko J., RA Bhuchar V., Biswalo K., Blair J., Blomstrom D., Burrell K., Chacko J., RA Calderon E., Cardenas V., Carter K., Cavazos I., Ceasar H., Chacko J., RA Calderon E., Chu J., Cockrell R., Cox C., Coyle M., Davila M., Davis C., RA Chavez D., Chu J., Cockrell R., Cox C., Coyle M., Davila M., Davis C., RA Cavez D., Chu J., Cockrell R., Cox C., Coyle M., Davila M., Davis C., RA Eaves K., Escotto M., Eugene C., Falls T., Fernandez S., Flagy N., RA Forbes L., Garner T., Garza M., Ghose S., Grady M., Hamilton C., RA Hernandez J., Hines S., Hogues M., Hollins B., Idlebird D., Imo K., Jahles S., Johnson B., Jolivet A., Kelly S., King L., Kisamo H., Kan Hernandez J., Lozado R., Malloy K., Martinez E., Mercadao C., Miner G., RA More Z., Lozado R., Malloy K., Martinez E., Mercadao C., Miner G., RA Lopez J., Lozado R., Malloy K., Martinez E., Mercadao C., Miner G., RA Manja E., Put L.-L., Puazo M., Quiroz J., Rabata D., RA Mang S., Warren J., Warren R., White F., Wleczyk R., Wright R., Walter P., Wleczyk R., Wright R., Ra Wang S., Warren J., Warren R., White F., Wleczyk R., Wright R., Ra Wang S., Warren J., Warren R., Gelbart W., Weinstock G.M., Gibbs R.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Richards S. Liu Y., Bettencourt B.R., Hradecky P., Letovsky S., Mielsen R., Thornton K., Hubisz M.J., Chen R., Meisel R.P., Couronne O., Hua S., Smith M.A., Zhang P., Liu J., Bussemaker H.J. van Batenburg M.F., Howells S.L., Scherer S.E., Sodergren E., Matthews B.B., Crosby M.A., Schroeder A.J., Ortiz-Barrientos D., Rives C.M., Metzker M.L., Muzny D.M., Scott G., Steffen D., Wheeler D.A., Worley K.C., Havlak P., Durbin K.J., Egan A., Gill R. Hume J., Morgan M.B., Miner G., Hamilton C., Huang Y., Waldron L., Verduzco D., Clerc-Blankenburg K.P., Dubchak I., Noor M.A.F., Anderson W., White K.P., Clark A.G., Schaeffer S.W., Gelbart W., Meinstock G.M., Gibbs R.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human Genome Sequencing Center;
Richards S., Liu Y., Bettencour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Comparative genome sequencing of Drosophila pseudoobscura: chromosomal, gene, and cis-element evolution."; genome Res. 15:1-18(2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21-FEB-2006, sequence version 1.
21-FEB-2006, entry version 1.
GA20283-PA (Fragment).
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STRAIN=MV2-25;
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Q61SI8;
23-NOV-2004,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Stein L.D., Bao Z., Blasiar D., Blumenthal T., Brent M.R., Chen Chinwalla A., Clarke L., Clee C., Coghlan A., Coulson A., D'Eustachio P., Fitch D.H.A., Fulton L.A., Fulton R.E., Griffiths-Jones S., Harris T.W., Hillier L.W., Kamath R., Kuwabara P.E., Mardis E.R., Marra M.A., Miner T.L., Minx P., Mullikin J.C., Plumb R.W., Rogers J., Schein J.E., Sohrmann M., Spieth J., Stajich J.E., Wei C., Willey D., Wilson R.K., Durbin Waterston R.H.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Copyrighted by the UniProt Consortium, see http://www.uniprot.org/teDistributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PLoS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "The genome sequence of Caenorhabditis briggsae: a platform for comparative genomics.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN-AF16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea; Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Caenorhabditis briggsae
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hypothetical protein CBG06165 (Fragment).
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21-FEB-2006,
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                                                                                                                                                                                             SEQUENCE
                                                                                                                                                                                                               PROSITE; PS00022; EGF_1; 3.
PROSITE; PS01186; EGF_2; 1.
PROSITE; PS50026; EGF_3; 1.
Complete protecme; EGF-11ke domain; Hypothetical protein.
NON_TER 339 339
                                                                                                                                                                                                                                                                                                                                           SMART; SM00181; EGF;
                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; CAAC01000028; CAE62124.1; -;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PubMed=14624247; DOI=10.1371/journal.pbio.0000045;
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CAEBR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAUTION: The sequence shown here is derived EMBL/GenBank/DDBJ whole genome shotgun (WGS)
108
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                                                                                                                      Similarity
CMNDGYFNFTLGRCV----CTSNWVGEHCIFRCNSGVVNKTSG 146
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                                              CSONEYFDSLLHACIPCOLRCSSNTPPLTCORYCNASVTNSVKG
                                                                                                                                                                                                                                                                                                                                                     IPR006210; EGF.
IPR000742; EGF_3.
IPR013032; EGF_like_reg.
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                                                                                                                                                                                           339 AA;
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; 30682 MW;
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Pred. No. 44;
5; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Genomic_DNA
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Q6DEJ5 BRARE
Q6DEJ5 BRARE
ID Q6DEJ5;
AC Q6DEJ5;
AC Q6DEJ5;
DT 16-AUG-2
DT 16-AUG-2
DT 16-AUG-2
DT 25G:1010
GN ORFNames
OC EUKALYOU
CC CYPTINIO
CC CYPTINIO
CC CYPTINIO
CC CYPTINIO
CC STRAINES
RX MEDLINE=
RA Klausner
RA Altschul
RA Hopkins
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"Generation and injurial analysis of Grove Farm 15 A.O. 6:11-learne human definition and injurial analysis of Grove Farm 15 A.O. 6:11-learne human definition and the college of Grove Farm 15 A.O. 6:11-learne human definition and the college of Grove Farm 15 A.O. 6:11-learne human definition and the college of Grove Farm 15 A.O. 6:11-learne human definition and the college of Grove Farm 15 A.O. 6:11-learne human definition and the college of Grove Farm 15 A.O. 6:11-learne human definition and the college of Grove Farm 15 A.O. 6:11-learne human definition and the college of Grove Farm 15 A.O. 6:11-learne human definition and the college of Grove Farm 15 A.O
                                                                                                                                             Query Match
Best Local S
Matches 12
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Q6DEJ5;
16-AUG-2004,
16-AUG-2004,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                          ATP-binding; Aminoacyl-tRNA synthetase; Ligase; Protein biosynthesis.
SEQUENCE 412 AA; 45517 MW; 4321F90E712F3200
                                                                                                                                                                                                                                                                                                                                                                                                                   GO; GO:0005524; F:ATP binding; IEA.
GO; GO:0001667; F:L1gase activity; IEA.
GO; GO:0000166; F:nucleotide binding; IEA.
GO; GO:00004812; F:tRNA ligase activity; IEA.
GO; GO:0006412; P:protein biosynthesis; IEA.
InterPro; IPR012947; tRNA SAD.
Pfam; PF07973; tRNA_SAD; I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    and mouse cDNA sequences."; Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; BC077118; AAH77118.1; -; mRNA.
Ensembl; ENSDARG00000015747; Danio re:
ZFIN; ZDB-GENE-040801-91; Zgg:10166.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=Singapore local strain; TISSUE=Embryo,
Director MGC Project;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=Singapore local strain; TISSUE=Embryo
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NCBI_TaxID=7955;
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORFNames=zgc:101066;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
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                                                                                                                                                     l Similarity
12; Conserv
MAFQCQRDCYMQEFDSCVVSCVPAELKLENN
                                                                            MAGQCSQNEY---FDSLLHACIPCQLRCSSN 31
                                                                                                                                                         Conservative
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                                                                                                                                                                                         21.4%;
                                                                                                                                                         8; Mismatches
                                                                                                                                                                                             Score 60.5;
Pred. No. 5
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RESULT

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RESULT 89
QS1CE3 ENTHI PRELIMINARY; PR
ID Q51CE3;
AC Q51CE3;
DT 07-JUN-2005, integrated into Unil
DT 07-JUN-2005, sequence version 1.
DT 07-FEB-2006, entry version 6.
DE CXXC-rich protein.
GN ORFNames=20.t00061;
CE Entamoeba histolytica HM-1:IMSS.
CE Entamoeba histolytica HM-1:IMSS.
CE Entamoeba histolytica HM-1:IMSS.
CE ENtaryota; Entamoebidae; Entamoe
OX NCBI_TaxID-294381;
RN NUCLEOTIDE SEQUENCE.
RC STRAIN=HM-1:IMSS;
RX PUDMed=15729342; DOI=10.1038/nat
RA Amedeo P., Roncaglia P., Berrima
RA Suh B., Pop M., Duchene M., Acke
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X PubMed=15729342; DOI=10.1038/nature03291;

A Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,

A Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson J.,

A Loftus B.J., Anderson I., Davies R., Hirt R.P., Mann B.J., Nozaki T.

A Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.

A Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,

A Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,

A Suh B., Pop M., Duchene M., Ackers J., Bhattacharya A.,

A Chillingworth T., Churcher C.M., Hance Z., Harris D.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

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A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., Squares R.,

A Jagels K., Moule S., Mungall K.L., Ormond D., S
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STRAIN=HM-1:IMSS;
STRAIN=HM-1:IMSS;
PubMed=15729342; DOI=10.1038/nature03291;
Loftus B.J., Anderson I., Davies R., Alsmark U.C., Samuelson C.,
Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., No.
Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
Suh B., Pop M., Duchene M., Ackers J., Tannich E., Leippe M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE;
SEQUENCE
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07-JUN-2005,
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                                                                                                                                                                                                                                                                            Entamoeba histolytica HM-1:IMSS
Eukaryota; Entamoebidae; Entamo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          InterPro; IPR006210; EGF.
InterPro; IPR006212; Furin repeat.
InterPro; IPR002350; Prot_inh_Kazal.
SMART; SM00181; EGF; 3.
SMART; SM00261; FU; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
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Eukaryota; Entamoebidae; Entamoeba.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PS00282; KAZAL; UNKNOWN
710 AA; 78593 MW; 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RCDSGYYLTDIL-MCDPCIENCEQCNNPTTCQKCSSGYILNN
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                                                                                                                                                                                                                                                                                                                                                                                                                                             integrated into UniProtKB/TrEMBL
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28.6%;
                                                                                                                                                                                                                                                                                  Entamoeba
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3F87CD72831E4B69 CRC64;
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A Amedeo P., Roncaglia P., Berriman M., Hirt R.P., Mann B.J., Nozaki T.
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"The genome of the protist parasite Entamoeba histolytica.";
IN Ature 433:865-868(2005).
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07-FEB-2006,
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EMBL; AAFB01000754; E/GO; GO:0005524; F:ATP
                                                                           Copyrighted by the UniProt Consortium, Distributed under the Creative Commons
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Entamoeba histolytica HM-1:IMSS. Eukaryota; Entamoebidae; Entamoeba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-FEB-2006, entry version 6. Receptor protein kinase, putative. ORFNames=268.t00007;
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InterPro; IPR006212; Furin_repeat.
InterPro; IPR002350; Prot_inh_Kazal.
Pfam; PF02420; AFP; 2.
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                                                                                                                                                                      preliminary data.
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KAZAL; UNKNOWN 1.
N19576 MW; 058CE4C31B43489C CRC64;
                           EAL44430.1; -;
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Pred. No. 1.5e+02;
6; Mismatches 23;
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RESULT 92
Q717V9 WHEAT
ID Q717V9 WHEAT
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SEQUENCE
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Pfam; PF00065; Pkinase; 1.
PRINTS; PR00109; TYRKINASE.
ProDom; PD000001; Prot kinase; 1.
SMART; SM00261; FU; 3.
                                                                                                                                                                                                                                                                                                                   "Rhythmic expression of wheat TaGI genes introduced by photoperiod ectopic expression of TaGII promoting flowering in transgenic Arabidopsis.";
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07-FEB-2006,
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                                                                                                                                                                                                                                                                                                       Submitted (JUL-2004) to the
                                                                                                                                                                                                                                                                                                                                                                                                             Spermatophyta; Magnoliophyta; Pooideae; Triticeae; Triticum.
                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; BEP cla
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Name=TaGI3
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InterPro; IPR006212; Furin repeat.
InterPro; IPR000719; Prot kinase.
InterPro; IPR008271; Ser _hr _pkinase.
InterPro; IPR002290; Ser _thr _pkinase.
                                                                                                                                                                                                                                    EMBL; AY679115; AAT79487.1; -; mRNA.
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SEOUENCE 1100 1
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PROSITE; PS50011; PROTEIN KINASE DOM; 1.
PROSITE; PS00108; PROTEIN KINASE ST; 1.
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12; Conserv
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1155 AA;
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Pred. No. 1.5e+02;
5; Mismatches 22
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                                       PRT;
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No. 1.6e+02
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=Ankara isolate clone C9;
PubMed=15994597; DOI=10.1288/jrsm.98.7.320;
Pain A., Renauld H., Bertiman M., Murphy L., Yeats C.A., Weir W.,
Rerhornou A., Aslett M., Bishop R., Bouchier C., Cochet M.,
Coulson R.M.R., Cronin A., de Villiers E.P., Fraser A., Fosker N.,
Gardner M., Goble A., Griffiths-Jones S., Harris D.E., Katzer F.,
Larke N., Lord A., Maser P., McKellar S., Mooney P., Morton F.,
Larke N., O'Neil S., Price C., Quail M.A., Rabbinowitech E.,
Nene V., O'Neil S., Price C., Quail M.A., Rabbinowitech E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; BEP clade; Pooideae; Triticeae; Triticum.
                                                                                                                                                                                                                                                                                                                     compared with T. parva.";
Science 309:131-133(2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rawlings N.D., Rutter S., Saunders D., Seeger K., Shah T., Squares Squares S., Tivey A., Walker A.R., Woodward J., Dobbelaere D.A.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORFNames=TA16015;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-JUL-2005,
05-JUL-2005,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q4UFT2 THEAN Q4UFT2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PubMed=16028116; DOI=10.1007/S11103-005-4162-2; Zhao X.Y., Liu M.S., Li J.R., Guan C.M., Zhang X.S.; "The wheat TaGII, involved in photoperiodic flowering, Arabidopsis GI ortholog.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-FEB-2006,
Gigantea.
                                                                                                                                                                      EMBL; CR940348; CAI74034.1; -;
                                                                                                                                                                                                                                                           Copyrighted by the UniProt Consortium,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; AF543844; AAQ11738.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Distributed under the Creative Commons
                                                                                                                                                                                                                                   Distributed under the Creative Commons Attribution-NoDerivs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Alveolata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21-FEB-2006,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-FEB-2006, entry version 8. (Subtelomeric) ABC-transporter protein family member,
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                     GO:0016021; C:integral to membrane; GO:0005524; F:ATP binding; IEA.
GO:0016887; F:ATPase activity; IEA.
GO:0042626; F:ATPase activity, coup GO:0006810; P:transport; IEA.
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Pred. No. 1.6e
8; Mismatches
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                                                                                                                                                                      Genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6D8597F27D6DE2B2
                                                         coupled to transmembrane
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                                                                                                                                                                                                                                                                                                                                                                        parasite
                                                                                                                                              DNA.
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Attribution-NoDerivs License
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                                                                                                                                                                                                                                                              http://www.uniprot.org/terms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15;
                                                                                                                                                                                                                                                                                                                                                                              Theileria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1155;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAIN=Muguga;

PubMed=15994558; DOI=10.1126/science.1110439;

Gardner M.J., Bishop R., Shah T., de Villiers E.P., Carlton J.M.,

Hall N., Ren Q., Paulsen I.T., Pain A., Berriman M., Wilson R.J.,

Sato S., Ralph S.A., Mann D.J., Xiong Z., Shallom S.J., Weidman J.,

Jiang L., Lynn J., Weaver B., Shoalbi A., Domingo A.R., Wasawo D.,

Crabtree J., Wortman J.R., Haas B., Angluoli S.V., Creasy T.H., Lu C.,

Suh B., Silva J.C., Utterback T.R., Feldblyum T.V., Pertea M.,

Allen J., Nierman W.C., Taracha E.L., Salzberg S.L., White O.R.,

Fitzhugh H.A., Morzaria S., Venter J.C., Fraser C.M., Nene V.;

"Genome Sequence of Theileria parva, a Bovine Pathogen That Transforms

Lymphocytes.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Membrane;
SEQUENCE
                                                                                                                                                                                                                                                      Gardner M., Bishop R., Shah T., de Villiers E., Carlton J.M., Hall N. Ren Q., Pauleen I.T., Pain A., Berriman M., Wilson R.J.M., Sato S., Ralph S.A., Mann D.J., Xiong Z., Shallom S.J., Weidman J., Jiang L., Lynn J., Weaver B., Shoaibi A., Wasawo D., Crabtree J., Wortman J.R., Haas B., Angiuoli S., Creasy T.H., Lu C., Suh B., Silva J.C., Utterback T., Feldblyum T., Pertea M., Allen J., Taracha E.L., Salzberg S.L., White O., Fitzhugh H.A., Morzaria S., Venter J.C., Fraser C.M., Nene V., Submitted (UN-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR011527; ABC_TM_1.
InterPro; IPR003439; ABC_transp_like
Pfam; PF00005; ABC_tran; 1.
PROSITE; PS50929; ABC_TM1F; 1.
PROSITE; PS50929; ABC_TRANSPORTER_2;
Membrane. Tyranspo; ABC_TRANSPORTER_2;
                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=Muguga;
Gardner M., Bishop R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABC transporter,
ORFNames=TP03_00
                                                                                                                                                               Copyrighted by the Distributed under t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Theileria parva.
Eukaryota; Alveolata;
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21-FEB-2006,
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                                                                                                                                 EMBL;
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THEPA
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                                                IL; AAGK01000005; EAN30743.1; -; Genomic_DNA.
GO:0016021; C:integral to membrane; IEA.
GO:0005524; F:ATP binding; IEA.
GO:0016887; F:ATPase activity; IEA.
GO:0042626; F:ATPase activity, coupled to to GO:0042626; P:transport; IEA.
                                                                                                                                                                                                             preliminary data.
                                                                                                                                                                                                                            EMBL/GenBank/DDBJ whole genome shotgun (WGS)
                                                                                                                                                                                                                                            CAUTION: The sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DSLLHACIPCQLRCSSNTPPLTC--QRYCNASVTNSV 49
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Transport.
1516 AA;
IPR003593; AAA ATPase.
IPR011527; ABC_TM_1.
IPR003439; ABC_transp_like
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                                                                                                                                                                              UniProt Consortium,
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37.8%;
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                                                                                                                                                                                                                                            shown here is derived
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Pred. No. 2.
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                                                                                                                                                                Commons
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Attribution-NoDerivs License
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Best Local S
Matches 15
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                                                                                                                                                                                                                                        Gardner M., Bishop R., Shah T., de Villiers E., Carlton J.M., Hal Ren Q., Paulsen I.T., Pain A., Berriman M., Wilson R.J.M., Sato S Ralph S.A., Mann D.J., Xiong Z., Shallom S.J., Weidman J., Jiang Lynn J., Weaver B., Shoaibi A., Wasawo D., Crabtree J., Wortman J Haas B., Angiuoli S., Creasy T.H., Lu C., Suh B., Silva J.C., Utterback T., Feldblyum T., Pertea M., Allen J., Taracha E.L., Salzberg S.L., White O., Fitzhugh H.A., Morzaria S., Venter J.C., Fraser C.M., Nene V.;
Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary dara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   02-AUG-2005,
02-AUG-2005,
21-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PubMed=1599458; DOI=10.1126/science.1110439; Gardner M.J., Bishop R., Shah T., de Villiers E.P., Carlton J.M., Hall N., Ren Q., Paulsen I.T., Pain A., Berriman M., Wilson R.J., Sato S., Ralph S.A., Mann D.J., Xiong Z., Shallom S.J., Weidman J., Jiang L., Lynn J., Weaver B., Shoaibi A., Domingo A.R., Wasawo D., Crabtree J., Wortman J.R., Haas B., Angiuoli S.V., Creesy T.H., Lu C., Suh B., Silva J.C., Utterback T.R., Feldblyum T.V., Pertea M., Allen J., Nierman W.C., Taracha E.L., Salzberg S.L., White O.R., Fitzhugh H.A., Morzaria S., Venter J.C., Fraser C.M., Nene V.; "Genome Sequence of Theileria parva, a Bovine Pathogen That Transforms
           GO; GO:0016887; F:AIPase activity; IEGO; GO:0042626; F:AIPase activity, GC GO; GO:0046810; P:transport; IEA.
InterPro; IPR003593; AAA ATPase.
InterPro; IPR011527; ABC_TM_1.
InterPro; IPR013593; ABA ATPase.
InterPro; IPR011527; ABC_TM_1.
                                                                           88888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABC transporter, pu ORFNames=TP02_0951;
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PROSITE; PS50929; ABC_TRANSPORTER_
PROSITE; PS50893; ABC_TRANSPORTER_
Membrane; Transport.
                                                                                                                                                        EMBL; AAGK01000002; EAN33235.1; -;
                                                                                                                                                                                     Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                    Copyrighted
                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=Muguga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lymphocytes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=Muguga,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Alveolata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Theileria parva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=5875;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  THEPA
                                                                                                                       GO:0016021; C:integral to membrane; GO:0005524; F:ATP binding; IEA.
                                                                                                                                                                                                                                   preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             σ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GMCYRRKHENNINGSNSLSVCNNVLHTCLP-DSECSQN--PMFCPARREQNKDIT 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1529 AA;
                                                                                                                                                                                                    by the UniProt Consortium, see http://www.uniprot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   entry version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sequence version
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27.3%; Pred. No. 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. 2.1
1; Mismatches
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                                                                                                                                         Genomic_D
rane; IEA.
                                                                                                           IEA.
                                                                                         coupled
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ches 12;
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                                                                                                                                                         DNA
                                                                                           transmembrane
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Best Local S
Matches 15
Pfam; PF00008; EGF; 4.

Pfam; PF070787; EGF 2; 8.

Pfam; PF07645; EGF_CA; 3.

Pfam; PF07645; EMI; 1.

Pfam; PF07546; EMI; 1.

Pfam; PF0053; Laminin EGF; 8.

PRINTS; PR00011; EGFLAMININ.

SMART; SM00180; EGF CA; 4.

SMART; SM00180; EGF Lam; 11.

SMART; PS00100; EGF Lam; 11.

PROSITE; PS00010; ASX HYDROXYL; 5

PROSITE; PS00186; EGF 2; 23.

PROSITE; PS00186; EGF 2; 23.

PROSITE; PS00186; EGF 2; 23.

PROSITE; PS00187; EGF CA; 5.

PROSITE; PS01187; EGF CA; 5.
                                                                                                                                                                                                                                                          InterPro; IPR00012; Asx hydroxyl S. InterPro; IPR0006210; EGF.
InterPro; IPR000742; EGF 3.
InterPro; IPR010881; EGF Ca bd.
InterPro; IPR013091; EGF Ca bd. 2.
InterPro; IPR013111; EGF extracell.
InterPro; IPR013111; EGF extracell.
InterPro; IPR00209; EGF laminin.
InterPro; IPR00309; EGF like.
InterPro; IPR013032; EGF like_reg.
InterPro; IPR013032; EGF like_reg.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=Sprague Dawley; TISSUE=Brain;
MEDLINE=98360089; PubMed=9693030, DOI=10.1006/geno.1998.5341;
Nakayama M., Nakajima D., Nagase T., Nomura N., Seki N., Ohara O
"Identification of high-molecular-weight proteins with multiple
like motifs by motif trap screening.";
Genomics 51:27-34(1998).
-i- TISSUE SPECIFICITY: Expressed in lung.
-i- SIMILARITY: Contains 32 EGF-like domains.
-i- SIMILARITY: Contains 1 EMI domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EGFL3_RJ
088281;
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Membrane;
SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-APR-2004, integrated into UniPro
01-NOV-1998, sequence version 1.
07-MAR-2006, entry version 36.
EGF-like domain-containing protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mammalia; Eutheri
Muroidea; Muridae
NCBI_TaxID=10116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          domain protein 3) (Multiple epidermal
Name=Egfl3; Synonyms=Megf6;
                                                                                                                                                                                                                                                                                                                                                                                                                                             RGD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HSSP;
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RAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; AB011532; BAA32462.1;
T13954; T13954.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PS50893; ABC_TRANSPORTER; Transport.
1545 AA; 177739 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GQCSQNEYFDSL------LHACIPCQLRCSSNTPPLTC--QRYCNASVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21.4%;
ilarity 27.3%;
Conservative 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -; mRNA
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Pred. No. 2.2e-
11; Mismatches
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l growth factor-like
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Potential.
EGF-like domain-containing
/FTId=PRO_0000007525.
   By similarity
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EGF-like 16.
EGF-like 17.
EGF-like 18.
EGF-like 19.
EGF-like 20.
EGF-like 21.
EGF-like 22.
EGF-like 23.
EGF-like 24.
EGF-like 25.
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RESULT 97
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ID Q50887; ENTHI
AC Q50887;
DT 07-UUN-2005, 8
DT 07-FEB-2006, 6
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Best Local
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                                                                                                                                                                                                                            AGQCSQNEYFDSLLHACIPCQL-----RCSSNTPPLT----CQRYC---NASVTNSVKG
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integrated into UniProtKB/TrEMBL
sequence version 1.
entry version 4.
                                                                                   PRELIMINARY;
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Pred. No. 2.
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Q571L9
ID Q5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R GO; GO:0005524; F:ATP binding; IEA.

R GO; GO:0005674; F:protein serine/threonine kinase activity; IEA.

R GO; GO:0004674; F:protein serine/threonine kinase activity; IEA.

R GO; GO:0004468; F:protein activity; IEA.

R GO; GO:0006468; P:protein amino acid phosphorylation; IEA.

R InterPro; IPR001450; 4Fe4S_Fe_S_bd.

R InterPro; IPR006210; EGF.

R InterPro; IPR006210; EGF.

R InterPro; IPR006210; Prot_Inh_Kazal.

R InterPro; IPR002350; Prot_Kinase.

R InterPro; IPR0002719; Prot_Kinase.

R InterPro; IPR000279; Ser_thr_pkin_AS.

InterPro; IPR001245; TNFR_C6.

R InterPro; IPR001245; Tyr_pkinase.

R InterPro; IPR001245; Tyr_pkinase.
                                                                                                                                                                                                                                                                                                                                                                                    Pfam; PF02420; AFP; 2.

Pfam; PF0069; Pkinase; 1.

ProDom; PD000001; Prot_kinase; 1.

SMART; SM00181; EGF; 2.

SMART; SM00281; FGF; 2.

SMART; SM00281; FGF; 2.

PROSITE; PS00198; 4FB4S FERREDOXIN; UNKNOWN_1.

PROSITE; PS00101; PROTEIN_KINASE_ATP; 1.

PROSITE; PS00101; PROTEIN_KINASE_ATP; 1.

PROSITE; PS00101; PROTEIN_KINASE_TO; 1.

PROSITE; PS00108; PROTEIN_KINASE_TO; 1.

PROSITE; PS00108; PROTEIN_KINASE_TO; 1.

PROSITE; PS00108; PROTEIN_KINASE_TO; 1.

PROSITE; PS00108; PROTEIN_KINASE_TO; 1.
                                                                                                                                                                                                                                                                                          Query Match
Best Local
                                                                                                                                                                                                                                                                       Matches
  L1 98
L9 MOUSE
Q571L9 MOUSE
Q571L9;
10-MAY-2005,
10-MAY-2005,
07-FEB-2006,
                                                                                                                                                                                                                                                                                                                                                    PROSITE;
Kinase; R
SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=HM-1:IMSS
PubMed=15729342;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Receptor protein kinase, putative.
ORFNames=251.t00016;
Entamoeba histolytica HM-1:IMSS.
Eukaryota; Entamoebidae; Entamoeba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyrighted
Distributed
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                                                                                                                                                                                        996 RCDSGYYLTDIL-MCDPCIENCEQCNNPTTCQKCSSGYILNN 1036
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                                                                                                                                                                                                                                                                       l Similarity 28.(
12; Conservative
                                                                                                                                                                                                                                                                                                                                                    Receptor.
E 1656 A
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integrated into t
sequence version
entry version 6.
                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                      AA;
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28.6%;
                                                                                                                                                                                                                                                                                                                                                        184722 MW;
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Pred. No. 2.3e
6; Mismatches
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                                            UniProtKB/TrEMBL
                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                                                        DC895410785B0056 CRC64;
                                                                                   1671
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1656;

Gaps

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MKIAA4041

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InterPro; IPR001791; Laminin_G.
InterPro; IPR0012680; Laminin_G.2.
InterPro; IPR0012630; PKD cys_rich.
Pfam; PF0000203; PKD cys_rich.
Pfam; PF01825; GPS; 1.
Pfam; PF01825; GPS; 1.
Pfam; PF01825; GPS; 1.
Pfam; PF01825; Laminin_GC; 2.
Pfam; PF02703; Laminin_GC; 2.
PF187; PF02703; Laminin_GC; 2.
PRINTS; PR00184; BAIPRECURSOR.
PRINTS; PR00194; BAIPRECURSOR.
PRINTS; PR0011; EGFLAMININ.
PRINTS; PR0011; EGFLAMININ.
PRINTS; PR0011; EGFLAMININ.
SMART; SM00181; EGF; 5.
SMART; SM00181; EGF; 1.
SMART; SM00100; EGF Lam; 1.
           PROSITE; PS0001; ASX HYDROXYL; 2.

PROSITE; PS00022; EGF 1; 5.

PROSITE; PS01186; EGF 2; 1.

PROSITE; PS0126; EGF 3; 6.

PROSITE; PS50026; EGF 3; 6.

PROSITE; PS50027; EGF LAM 1; 1.

PROSITE; PS50027; EGF LAM 2; 1.

PROSITE; PS5027; GF PROTEIN RECEP F2 3; 1.

PROSITE; PS5027; GF PROTEIN RECEP F2 3; 1.

PROSITE; PS50261; GF PROTEIN RECEP F2 4; 1.

PROSITE; PS5025; LAM G DOMAIN; 2.

EGF-like domain, Laminin EGF-like domain.

NON TER 1 1 1
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MGI; MGI:1100883; C:0
GO; GO:0005615; C:i
GO; GO:0016021; C:i
GO; GO:0042472; P:i
GO; GO:00042472; P:i
GO; GO:0007626; P:l
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Okazaki N., Kikuno R.F., Ohara R., Inamoto S., Koseki H., Hiraoka S Saga Y., Nagase T., Ohara O., Koga H.;
"Prediction of the Coding Sequences of Mouse Homologues of KIAA General Complete Nucleotide Sequences of Mouse KIAA-homologous cDNAs Identified by Screening of Terminal sequences of cDNA Clones Random Sampled from Size-Fractionated Libraries.";
Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
-I- FUNCTION: Receptor that may have an important role in cell/cell signaling during nervous system formation (By similarity).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        InterPro;
InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ......, vecazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Mus.
SEQÜENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL; AK220170; BAD90355.1; -; mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Copyrighted by the UniProt Consortium, see http://www.uniprot.org/twDistributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InterPro;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MKIAA4041 protein (Fragment).
Name=Celsr1; Synonyms=mKIAA4041;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro;
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GO:0016021; C:integral to membrane; RCA.
GO:0042249; P:establishment of polarity of embryonic
GO:0042472; P:inner ear morphogenesis; IMP.
GO:0007626; P:locomotory behavior; IMP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        o; IPR008077; Angio_inhib.
o; IPR000152; Asx hydroxyl S.
o; IPR013320; ConĀ like_subgrp.
o; IPR006210; EGF 3.
o; IPR001881; EGF Ca bd.
o; IPR002049; EGF laminin.
o; IPR002049; EGF like reg.
o; IPR013032; EGF like reg.
o; IPR013032; EGF like reg.
o; IPR013032; EGF like reg.
o; IPR0108832; GPCR_secretin.
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183112 MW;
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                                 EGF-like domain
800598BAD02956F1 CRC64;
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RA Mauceli E., Bouneau L., Fischer C., Ozouth-Costaz C., Bernot A.,
RA Mauceli E., Bouneau L., Fischer C., Ozouth-Costaz C., Bernot A.,
RA Micaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,
RA Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
RA Anthouard V., Jubin C., Castelli V., Ratinka M., Vacherie B.,
RA Anthouard V., Jubin C., Cattolico L., Poulain J., De Berardinis V.,
RA Cruaud C., Duprat S., Brottier P., Coutanceau J.-P., Gouzy J.,
RA Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,
RA Filis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,
RA Kellis M., Volff J.-N., Guigo R., Zody M.C., Mesirov J.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
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RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi
                                                                                                                                   Query Match
Best Local S
Matches 19
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Best Local Similarity
Matches '17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
Genoscope; Whitehead Institute Centre for Genome Research;
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry whi
                                                                                                                                                                                                                                                                                                                    Pfam; PF00090; TSP1; 10.
SMART; SM00209; TSP1; 9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=99883;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tetraodon nigroviridis (Green puffer).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-JUL-2005, integrated into t
19-JUL-2005, sequence version
07-FEB-2006, entry version 4.
                                                                                                                                                                                                                                                                                            PROSITE; PS50092; TSP1; 11.
                                                                                                                                                                                                                                                                                                                                                                                           EMBL; CAAE01013714; CAF95223.1; -;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Distributed under the Creative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (Fragment).
ORFNames=GSTENG00011783001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nature 431:946-957(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PubMed=15496914; DOI=10.1038/nature03025;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chromosome undetermined SCAF13714,
                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR000884; TSP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    preliminary data.
                                                  177
50 K 50
                                                                                          N
                                                                                                                                     l Similarity
19; Conserv
                                             VQKSGEAAQDAICEYFEPKPRLEQACLIPCPQDCVVSNFSAWTP---CSKTCGLGLQNRI
                                                                            LQMAGQCSQN---EYFD---SLLHAC-IPCQLRC-----SSNTPPLTCQRYCNASVTNSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OCKENYYKPPAQDACLPCDCFPHGSHSRACDMDTGQCACKPGVIGRQCNRCDNPFAEVTS
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                                                                                                                                                                                                                                                   1866
                                                                                                                                   21.4%;
nilarity 31.1%;
Conservative 1
                                                                                                                                                                                                                              1866 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
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28.3%;
                                                                                                                                                                                                                              207436 MW;
                                                                                                                                        11;
                                                                                                                              Score 60.5; DE Pred. No. 2.6e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5;
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Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Sortium, see http://www.uniprot.org/terms Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                              717F9D6C88646483 CRC64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60.5;
No. 2.
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2.6e+02;
16;
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                                                                                                                                                                           Length 1866;
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                                                                                                                                        Indels
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                                                                                                                                        15;
                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                          49
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c -!- FUNCTION: Receptor that may have an important role in cell/cell signaling during nervous system formation.

C -!- SUBCELLUAR LOCATION: Membrane; multi-pass membrane protein.

C -!- TISSUE SPECIFICITY: Expressed in the brain, where it is localized principally in the ependymal cell layer, choroid plexus and the principally in the ependymal cell layer, choroid plexus and the carea postrema. Also found in spinal chord and in the eye.

C -!- DEVELOPMENTAL STAGE: First detected at E6. Predominantly expressed in the developing CNS, the emerging dorsal root ganglia and cranial ganglia. In the CNS, expression is uniform along the rostrocaudal axis. During gastrulation, it is expressed in the vicinity of the primitive streak, and becomes predominant in that area at late gastrulation. At E10, detected in ventricular zones (VZ), but not in marginal zones (MZ), and weakly in other structures. Between E12 and E15, a high expression is present in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CELR1 MOUSE
CELR1 MOUSE
035161;
02-AUG-2002,
01-MAY-1999,
07-MAR-2006,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUE SPECIFICATION TO THE PROOF OF THE PRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognamuroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=99077689; PubMed=9858697; DOI=10.1016/S0925-4773(98)00153-1; Hadjantonakis A.-K., Formstone C.J., Little P.F.R.; "mCelsr1 is an evolutionarily conserved seven-pass transmembrane receptor and is expressed during mouse embryonic development."; Mech. Dev. 78:91-95(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transmembrane receptor, maps to mouse chromosome chromosome 22qter.":
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cadherin EGF
                            EMBL; AF031572; AAC68836.1; PIR; T14119; T14119.
                                                                                                                      Copyrighted
Distributed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mouse.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=21839555; PubMed=11850187; DOI=10.1016/S0925-4773(01)00623-2; Tissir F., De-Backer O., Goffinet A.M., Lambert de Rouvroit C.A.; "Developmental expression profiles of Celsr (Flamingo) genes in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          chromosome
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE
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                                                                                                                                                                                                          LN-TM7 subfamily.

SIMILARITY: Contains 9 cadherin domains.
SIMILARITY: Contains 8 EGF-like domains.
SIMILARITY: Contains 1 GPS domain.
SIMILARITY: Contains 1 laminin EGF-like domain.
SIMILARITY: Contains 2 laminin G-like domain.
                                                                                                                                                                                                                                                                                                                                                                                          remains restricted to the VZ. Also for kidney and epithelia.
SIMILARITY: Belongs to the G-protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           neuronal fields.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       VZ in all brain areas. No expression in differenciated ronal fields. In the newborn and postnatal stages, expressions restricted to the VZ. Also found weakly in fetal lu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          me 22qter.";
45:97-104(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            112:157-160(2002).
                                                                                                                      under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                   UniProt Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            into
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                                                                                                                                                      see http://www.uniprot.org/terms
                                                                                                                                                                                                                                                                                                                                                                                              coupled receptor
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and human
                                                                                                                                                                                                                                                                                                                                                                                                                                                       es, expression fetal lungs,
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PROSITE; PS00010; ASK TYDROXYL; 2.

PROSITE; PS000212; CADHERIN 1; 7.

PROSITE; PS00022; EGF 1; 6.

PROSITE; PS00022; EGF 1; 6.

PROSITE; PS001166; EGF 2; 2.

PROSITE; PS00148; EGF LAM 1; 1.

PROSITE; PS00149; EGF LAM 2; 1.

PROSITE; PS000649; G PROTEIN RECEP F2 1; FA PROSITE; PS000649; G PROTEIN RECEP F2 2; FA PROSITE; PS000649; G PROTEIN RECEP F2 3; 1.

PROSITE; PS000649; G PROTEIN RECEP F2 3; 1.

PROSITE; PS0027; G PROTEIN RECEP F2 4; 1.

PROSITE; PS0027; G PROTEIN RECEP F2 4; 1.

PROSITE; PS50227; G PROTEIN RECEP F2 4; 1.
                                                   TOPO_DOM
TRANSMEM
TOPO_DOM
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         TRANSMEM TOPO_DOM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pfam;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR002126;
InterPro; IPR013320;
InterPro; IPR006210;
                                                                                                                                                                                                                                                                                                                                                                                                                      SMART;
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                                                                                                                                                                                              Transducer; Transmembrane.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          InterPro;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GO:0042249; P:establishment of polarity of GO:0042472; P:inner ear morphogenesis; IMP. GO:0007626; P:locomotory behavior; IMP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GO:0007626;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MGI:1100883; Celsr1.
GO:0005615; C:extracellular s
GO:0016021; C:integral to mem
                                                                                                ğ
                                                                                                                                                                                                                                                                                                                                                                                                                    ; SM00112; CA; 8.
; SM00181; EGF; 6.
; SM00180; EGF_Lam; 1.
; SM00303; GPS; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PF02210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PF00028; Cadherin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PF00002;
                                                                                                                                                                                                                                                                                                                                                                                                 SM00282;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ENSMUSG00000016028; Mus
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IPR013032;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IPR002049;
                                                                                                                                                                                                                    coupled receptor; Glycoprotein;
\begin{array}{c} 2485 \\ 2506 \\ 2517 \\ 2538 \\ 25343 \\ 25543 \\ 25643 \\ 266717 \\ 266717 \\ 26921 \\ \end{array}
                                                                                                                                                                                                          like domain; Membrane;
                                                                                                                                                                           30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Laminin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Laminin_
                                                                                                                                                                                                                                                                                                                                                                                                LamG;
                                                                                                                                                                                                                                                                                                                                                                                                          HormR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ,aminin_EGF; 1.
,aminin_G 2; 2.
CADHERIN.
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C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Cate: 27-Jan-1995 #sequence revision 27-Jan-1995 #text_change 09-Jul-2004
C;Accession: $43486; $31208; $36661
R;Laabi, Y.; Gras, M.P.; Brouet, J.C.; Berger, R.; Larsen, C.J.; Tsapis, A.
Nucleic Acids Res. 22, 1147-1154, 1994
A;Title: The BCMA gene, preferentially expressed during B lymphoid maturativ
A;Reference number: $43486; MUID:94218235; PMID:8165126
                                                                                                                                                                                                                                                                    A;Cross-references: UNIPROT:002223; UNIPARC:UPI0000034D1B; EMBL:229574; NID:g471244; PIER;Laabi, Y.; Gras, M.P.; Carbonnel, F.; Brouet, J.C.; Berger, R.; Larsen, C.J.; Tsapis, EMBO J. 11, 3897-3904, 1992
A;Title: A new gene, BCM, on chromosome 16 is fused to the interleukin 2 gene by a t(4:1 A;Reference number: S31208; MUID:93010984; PMID:1396583
A;Accession: S31208
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A;Residues: 1-184 <LA2>
A;Cross-references: UNIPARC:UPI0000034D1B; EMBL:Z14954; NID:g29407; PIDN:CAA78679.1; PID
A;Accession: S36661
                                                                                                                                                                                                                                                                                                                                                                                 A; Reference number: S43486; A; Accession: S43486
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                                                                                                                                                                                  A; Molecule type: mRNA
A; Residues: 4-184 <LA3>
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A; Residues: 1-184 < LAA>
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                                                                                                                                                                       ;Cross-references: UNIPARC:UPI0000046868; EMBL:Z14955
                                                                                              ;Superfamily: human B-cell maturation factor
                                                                                                                                               ;Gene: GDB:BCMA
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                                               Matches
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                                              100.0%; ilarity 100.0%; Conservative
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BVFFSL
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                                              Score 283; DB 2;
Pred. No. 8.5e-25;
; Mismatches 0;
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                                                                   Length 184;
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RESULT 2

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R;Geisel, C.

submitted to the EMBL Data Library, October 1995
A;Description: The sequence of C. elegans cosmid
A;Reference number: Z18588
A;Accession: T16840
A;Status: preliminary; translated from GB/EMBL/D
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-1101 <GEI>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              serine proteinase (EC 3.4.21.-) PC6B - mouse (;Species: Mus musculus (house mouse) C;Species: Mus musculus (house mouse) C;Date: 02-Dec-1993 #sequence_revision 10-Nov-1995 #text_change 09-Jul-2004 C;Accession: S34583 R;Nakagawa, T.; Murakami, K.; Nakayama, K. FEBS Lett. 327, 165-171, 1993 R;Title: Identification of an isoform with an extremely large Cys-rich reginary A;Reference number: S34583; MUID:93327934; PMID:8335106 A;Accession: S34583
                                                                                                                                                                                                                                                                                               RESULT 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Description: functions in multiple cell adhesion A; Note: found exclusively on the apical region of 1 C; Keywords: cell adhesion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 R;Gao, Z.; Garbers, D.L.
J. Biol. Chem. 273, 3415-3421, 1998
A;Title: Species diversity in the structure of zonadhesin,
A;Reference number: Z22080; MUID:98123114; PMID:9452463
A;Accession: T42215
                                                                                                                                                                                                        hypothetical protein T10E10.4 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #te) C;Accession: T16840
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A; Residues: 1-5376 <GAO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Species: Mus musculus (house mouse)
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
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C; Function:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C; Keywords: hydrolase; serine proteinase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Molecule type: mRNA
A;Residues: 1-1548 <NAK>
A;Cross-references: UNIPROT:Q04592; UNIPARC:UPI000016CF9E; GB:D17583; NID:g407344; PIDN:E
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    UNIPROT: Q22378; UNIPARC: UPI000017BB8F; EMBL: U39644; NID: g1049339;
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5; Mismatches
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Pred. No. 4.2;
                                                                         from GB/EMBL/DDBJ
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         PII
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C.Species: Caenorhabditis elegans C.Date: 15-Oct-1999 #sequence revisi C.Accession: T19275, T21723 R.Harris, B. submitted to the EMBL Data Library,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          furin (EC 3.4.21.75) - fall armyworm N;Alternate names: paired basic amino acid cleaving enzyme; proprotein convertase; C;Species: Spodoptera frugiperda (fall armyworm) C;Date: 11-Jan-2000 #sequence_revision 11-Jan-2000 #text_change 09-Jul-2004 C;Accession: T43251
                                                                                                                                                                  R;Kershaw, J.
submitted to the EMBL Data Library,
A;Reference number: Z19464
A;Accession: T21723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                R;Cieplik, M.; Klenk, H.
submitted to the EMBL Data Library, January 1996
A;Description: Cloning and functional characterization
A;Reference number: Z22368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Experimental C; Genetics:
                                                     A;Gene: CESP:F34D10.2
                                                                                      A; Experimental source:
                                                                                                                                     A; Molecule type: DNA
                                                                                                                                                     A;Status: preliminary; translated
                                                                                                                                                                                                                                              A;Cross-references: UNIPROT:Q17969; UNIPARC:UPI0000079A41; A;Experimental source: clone C14B1
                                                                                                                                                                                                                                                                                   A;Residues:
                                                                                                                                                                                                                                                                                                  A; Molecule type: DNA
                                                                                                                                                                                                                                                                                                                A; Status: preliminary; translated from
                                                                                                                                                                                                                                                                                                                                     A; Reference number: A; Accession: T19275
                                                                                                                                                                                                                                                                                                                                                                                                                                                           hypothetical protein F34D10.2 - Caenorhabditis elegans
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A;Cross-references: UNIPROT:Q26489; UNIPARC:UPI0000083055;
A;Experimental source: clone Sfurin 6; ovary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Molecule type: mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Gene: CESP:T10E10.4
                                                                                                     Cross-references: UNIPARC:UPI0000079A41;
                                                                                                                        Residues: 1-999 <WI2>
                                                                                                                                                                                                                                                                                                                                                                                                                 Species: Caenorhabditis elegans
Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description: responsible for the endoproteolytic processing; Reywords: hydrolase; serine proteinase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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              position: 3 rons: 20/3; 40/3;
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nes 17; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CSQNEYFDSLLHACIPCQLRCS----SNTPPLTCQRYCNAS----VTNSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QCSQNEYFDSLLHACIPCQLR--CSSNTPPLTCQRYCNASVTNSVKG
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                72/1;
                                                                                      clone
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                234/3; 387/3; 457/1; 523/2; 541/3; 682/1;
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Pred. No. 13;
8; Mismatches
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                                                                                                                                                           GB/EMBL/DDBJ
                                                                                                       EMBL: Z34799;
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                                                                                                     PIDN: CAA84320.1;
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                784/2;
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                                                                                                     GSPDB:GN00021;
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                822/2;
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T24856
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A;Gene: GASA3
C;Superfamily: gibberellin-regulated protein GASA2
F;1-18/Domain: signal sequence #status predicted <SIG>
F;19-99/Product: gibberellin-regulated protein GASA3 #;
                                                                                                                                                                                                                                                                                                                   R;Herzog, M.; Dorne, A.M.; Grellet, F.
Plant Mol. Biol. 27, 743-752, 1995
A;Title: GASA, a gibberellin-regulated gene family from Arabidopsis
A;Reference number: S60229; MUID:95244835; PMID:7727751
A;Accession: S60231
                                                                                                                                                                                                                                                                                                                                                                                                                                gibberellin-regulated protein GASA3 precursor - Ara
N;Alternate names: GAST1 protein homolog
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 09-Mar-1996 #sequence_revision 19-Apr-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hypothetical protein T23F1.6 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #t
                                                                                                                                                                                                                          A;Cross-references: UNIPROT:P46687; UNIPARC:UPI0000000D66; C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C; Superfamily: gliadin
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A; Map position: 5
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                                                                                                                                                                                                                                                               A; Molecule type: mRNA
A; Residues: 1-99 < HER>
                                                                                                                                                                                                                                                                                                   A;Status: nucleic acid sequence not shown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Residues: 1-330 <WIL>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Status: preliminary;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Reference number:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         submitted to the EMBL Data Library,
                                                                                                                                                                                                                                                                                                                                                                                                                  C;Accession: S60231
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Best Local Similarity
Matches 17; Conserv
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Best Local 9
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Best Local (
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                                                                                         Similarity
GRCSKSSRPNLCLRACNSCCYRCNC-VPPGTAGNHHLCPCYASIT
                                   GQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRY----CNASVT
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ce: clone T23F1
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                                                                                       21.7%;
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                                                                       Score 61.5; Di
Pred. No. 4.1;
7; Mismatches
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Pred. No. 23;
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                                                                                                                                              #status predicted
                                                                                                           Length 99
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protein

T12A7.2

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Caenorhabditis elegans

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C;Species: Rattus norvegicus (Norway rat)
C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
C;Accession: T13954
R;Nakayama, M.; Nakajima, D.; Nagase, T.; Nomura, N.; Seki, N.; Ohara, O.
Genomics 51, 27-34, 1998
A;Title: Identification of high-molecular-weight proteins with multiple EGF-like motifs
A;Reference number: Z14126; MUID:98360089; PMID:9693030
A;Accession: T13954
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-1574 <NAK>
A;Cross-references: UNIFROT:O88281; UNIPARC:UPIO000043BEE; EMBL:AB011532; NID:g3449293;
A;Experimental source: strain Sprague-Dawley; brain
•C;Genetics:
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G88846
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               submitted to the EMBL Data Library, A;Reference number: Z19943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Title: Genome sequence of the nematode C. elegans: a platform for investigating biolog A;Reference number: A75000; MUID:99069613; PMID:9851916
A;Note: see websites genome.wustl.edu/gsc/C elegans/ and www.sanger.ac.uk/projects/C elea.
A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R;anonymous, The C. elegans Sequencing Consortium Science 282, 2012-2018, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein T12A7.2 [imported] - Caeno
C;Species: Caenorhabditis elegans
C;Date: 10-May-2001 #sequence_rev
C;Accession: G88846
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                                                                                                                                                                                                                                                                                         MEGF6 protein -
                                                                                                                                                                                                                                                                                                                                  RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPROT:Q22423; UNIPARC:UPI000017A62A; GB:chr_IV; PIDN:CAA98142.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Molecule type: DNA
A; Residues: 1-520 < STO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Accession: G88846
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Reference number: A; Accession: T24856
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| Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gene: CESP:T12A7.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cross-references: UNIPROT:Q22423; UNIPARC:UPI000008213D; EMBL:Z73911; PIDN:CAA98142.2;Experimental source: clone T12A7
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nes 14; Conserv
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Pred. No. 16;
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C;Species: Mus musculus (house mouse)
C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    C;Accession: T31887
R;Greco, T.; Bradshaw, H.; Elliott, G.
submitted to the EMBL Data Library, July 1997
A;Description: The sequence of C. elegans cosm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein C03A7.4 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004
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C;Keywords: transmembrane protein
F;1-26/Domain: signal sequence #status predicted <SIG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Molecule type: mRNA
A;Residues: 1-3034 <HAD>
A;Cross-references: UNIPROT:035161; UNIPARC:UPI000002931C; EMBL:AF031572; NID:g3800735; I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;Hadjantonakis, A.K.; Formstone, C.J.; Little, P.F.R. submitted to the EMBL Data Library, October 1997 A;Description: The Celsr family of novel evolutionarily A;Reference number: Z17881
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A; Accession: T31887
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                                                                                                                                                                                                                                                    A; Map position: 5
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                                                                                                                                                                                                                                                                                               C; Genetics:
                                                                                                                                                                                                                                                                                                                                                       A; Molecule type: DNA
A; Residues: 1-388 <GRE>
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Matches
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                                             316 QCAPQCEQS--
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                                                                                    QMAGQCSQNEYFDSLLHACIPCQLRC-SSNTPPLTCQRYCNASVTNS
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                                                                                                                         ; Score 59.5; D; Pred. No. 22; 4; Mismatches
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Pred. No. 99;
5; Mismatches
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Pred. No. 56;
                                             CQQQCVQQQQPAAQCQTACQSSCSNS
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RESULT 16
T31898
              R;Greco, T.; Bradshaw, H.; Elliott, G. submitted to the EMBL Data Library, July 1 A;Description: The sequence of C. elegans A;Reference number: 221096
                                                                                            hypothetical protein C03A7.14 - Caenorhabditis elegans (;Species: Caenorhabditis elegans C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #te: C;Accession: T31898
                                                                                                                                                                                                                                                                                                                                                                                                         A; Introns: 75/3
C; Superfamily:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Status: preliminary; translated from GB/EMBL/DDBJA;Molecule type: DNAA;Residues: 1-438 <GRE>
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A; Introns: 75/3
C; Superfamily: 9
A; Reference number: A; Accession: T31898
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C;Species: Caenorhabditis elegans
C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004
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A; Residues: 1-388 < GRE>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Experimental source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cross-references: UNIPROT:016502; UNIPARC:UPI000007AF62; EMBL:AF016451; PIDN:AAB65995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Superfamily: gliadin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gene: CESP:C03A7.7; Map position: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Accession:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cross-references: UNIPROT:016501; UNIPARC:UPI0000077D46; EMBL:AF016451; PIDN:AAB65996 Experimental source: strain Bristol N2; clone C03A7
                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                 Local Similarity
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                                                                                                                                                                                                                                                    366
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                                                                                                                                                                                                                                                    QCAPQCEQS---
                                                                                                                                                                                                                                                                                      QMAGQCSQNEYFDSLLHACIPCQLRC-SSNTPPLTCQRYCNASVTNS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QMAGQCSQNEYFDSLLHACIPCQLRC-SSNTPPLTCQRYCNASVTNS
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ilarity 31.9%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bristol N2; clone
                                                                                                                                                                                                                                                                                                                            Score 59.5; D
Pred. No. 24;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 59.5;
Pred. No. 22;
                                                                                                                                                                                                                                                  CQQQCVQQQQPAAQCQTACQSSCSNS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CQQQCVQQQQPAAQCQTACQSSCSNS
                                                      July 1997
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                                                                                                            29-Oct-1999 #text_change
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                                      cosmid C03A7
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                                                                                                                                                                                                                                                                                                                                                               Length 438;
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                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                        48
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                                                                                                                                                                                                                           A;Reference number: A45558;
A;Accession: A45558
A;Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Map position: 5
A; Introns: 18/3; 75/3
C; Superfamily: gliadin
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                                                                                                                 A; Gene:
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                                                                                                                                                                                                                                                                                                                                                                                                                                             A45558
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Gene: CESP: C03A7.14
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Best Local Similarity
Matches 9; Conserv
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Best Local Similarity
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C;Superfamily: fluke epidermal growth factor receptor homolog 1; protein kinase homology C;Keywords: alternative splicing; ATP; autophosphorylation; glycoprotein; phosphoprotein; F;1-19/Domain: signal sequence #status predicted <SIG> F;20-1717/Product: epidermal growth factor receptor homolog 1 #status predicted <MAT> F;1018-1323/Domain: protein kinase homology <KIN> F;1026-1034/Region: protein kinase ATP-binding motif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                epidermal growth factor receptor homolog precursor - fluke (Schistosoma man N;Contains: protein-tyrosine kinase (EC 2.7.1.112)
C;Species: Schistosoma mansoni
C;Species: Schistosoma mansoni
C;Date: 10-Sep_1999 #sequence revision 10-Sep-1999 #text_change 09-Jul-2004
C;Accession: A45558; S27836
R;Shoemaker, C.B.; Ramachandran, H.; Landa, A.; dos Reis, M.G.; Stein, L.D.
                                                                                                                                                                                                                     A;Residues: 1-1717 <SHO>
A;Cross-references: UNIPROT:Q26566; UNIPARC:UPI000007DCD7; EMBL:M86396; NID:g160957; PIDN
A;Note: sequence extracted from NCBI backbone (NCBIP:111129)
                                                                                                                                                                                                                                                                                                                                                                                                                                 R;Shoemaker, C.B.; Ramachandran, H.; Landa, A.; dos Reis, Mol. Biochem. Parasitol. 53, 17-32, 1992
A;Title: Alternative splicing of the Schistosoma mansoni A;Reference number: A45558; MUID:92365727; PMID:1501637
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A;Experimental source: strain Bristol N2; clone C03A7
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-445 <GRR>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         submitted to the EMBL Data Library, November 1995 A;Description: The sequence of C. elegans cosmid C23G10. A;Reference number: Z18372 A;Accession: T15577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Introns: 47/3; 237/3; 293/2; 405/3; 487/1; 577/3; 694/3
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Pred. No. 25;
4; Mismatches
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Pred. No. 44;
6; Mismatches
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RESULT 20
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submitted to the EMBL Data Library, March 1996
A;Reference number: Z20506
A;Accession: T28675
A;Accession: T28675
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A;Note: alpha-51D
C;Superfamily: G sur
                                                                                                                                                                                                                                                                           A;Molecule type: DNA
A;Residues: 1-2533 <SCH>
A;Cross-references: UNIPROT:Q27183; UNIPARC:UPI000007E3B2; EMBL:X85135; NID:g728634; PID
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A;Accession: T28674
A;Status: preliminary; translated
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A;Genetic code: SGC5
A;Introns: 280/3; 538/2; 1248/2
C;Superfamily: G surface protein
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A;Cross-references: UNIPROT:P90589; UNIPARC:UPI0000078A73; EMBL:X96400; PIDN:CAA65264.1
C;Genetics:
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Best Local
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                                                                                                                                                               Query Match
Best Local :
                                                                                                                                                                                                                     Superfamily: G surface protein
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17; Conservative
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LDANKNPIYEYCSGDATNTATG 1742
                                                                       AGACTNKKCYDNVTATSDSECDSYLSGCVTRGTGCIPNSEPCTSYRGTKLQCELFKKFTG 1720
                                                                                                           AGQCSQNEYF-----DSLLHACIPCQLRCSSNTPPLTCQR-----
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                                    -YCNASVTNSVKG 51
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39.1%;
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Pred. No. 1.4e+02;
7; Mismatches 23;
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                                                                                                                                          Score 58.5; DB 2;
Pred. No. 1.4e+02;
7; Mismatches 23;
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                  GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
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                                                                                                                                                                                 Length 2533;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 2533;
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                                                                                                                                            35;
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                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hypothetical protein M02G9.1 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 22
T23681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R;Babin, D.R.; Peanasky, R.J.; Goos, S.M. Arch. Biochem. Biophys. 232, 143-161, 1984 A;Title: The isoinhibitors of chymotrypsin/elastase from A;Reference number: S07127; MUID:84255715; PMID:6564898 A;Accession: S07127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   chymotrypsin/elastase inhibitor - common roundworm C;Species: Ascaris lumbricoides (common roundworm) C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 C;Accession: S07127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
S07127
                                                                                                                                                                                                                   laminin alpha-4 chain precursor - human N_7Alternate names: laminin Ah
                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: DNA
A; Residues: 1-1513 <WIL>
A; Cross-references: UNIPROT:017970;
A; Experimental source: clone M02G9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Map position: A; Introns: 23/3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Reference number: A; Accession: T23681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 submitted to the EMBL Data A; Reference number: Z19781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R; Matthews, L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Molecule type: protein A; Residues: 1-63 < BAB>
                                                                       A; Accession: S68960
                                                                                                                                                                                                                                                            868960
                                                                                                                                                                                                                                                                             RESULT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Gene:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C; Accession:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary
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Best Local
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Pred. No. 6.9;
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C;Species: Homo sapiens (man)
C;Date: 21-Aug-1998 #sequence_revision 21-Aug-1998 #text_change
C;Accession: S68960; S65928; S49149; S40150; I53516
R;Richards, A.; Al-Tmara, L.; Pope, F.M.
Eur. J. Biochem. 3813-821, 1996
A;Title: The complete cDNA sequence of laminin alpha-4 and its r
A;Reference number: S68960; MUID:96300249; PMID:8706685
A;Modecule type: mRNA
A;Residues: 1-1816 <RIC>
A;Cross-references: UNIPROT:Q16363; UNIPROT:Q14731; UNIPARC:UPI0000161B53; EMBL:X91171; N
A;Experimental source: tissue type heart
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C;Species: Drosophila melanogaster
C;Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
C;Accession: A43434
R;Roebroek, A.J.; Creemers, J.W.; Pauli, I.G.; Kurzik-Dumke, U.; Rentrop, M.;
J. Biol. Chem. 267, 17208-17215, 1992
A;Title: Cloning and functional expression of Dfurin2, a subtilisin-like propr
A;Reference number: A43434; MUID:92381036; PMID:1512259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C;Superfamily: laminin G repeat homology; laminin-type EGF-like homology C;Keywords: basement membrane; cell binding; coiled coil; extracellular n F;1-24/Domain: signal sequence #status predicted coil; extracellular n F;25-1816/Product: laminin alpha-4 chain #status predicted <WAT> F;25-1916/Product: laminin-type EGF-like homology <LE1> F;82-129/Domain: laminin-type EGF-like homology <LE2> F;132-184/Domain: laminin-type EGF-like homology <LE3> F;187-238/Domain: laminin-type EGF-like homology <LE3> F;241-265/Domain: laminin-type EGF-like homology *Status atypical <LE4> F;717-719/Region: cell attachment (R-G-D) motif F;862-1031/Domain: laminin G repeat homology <LG1> F;162-1031/Domain: laminin G repeat homology <
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F;1252-1398/Domain: laminin G repeat homology <LG3>
F;1252-1398/Domain: laminin G repeat homology <LG4>
F;1488-1636/Domain: laminin G repeat homology <LG4>
F;1665-1816/Domain: laminin G repeat homology <LG5>
F;1065-1816/Domain: laminin G repeat homology <LG5>
F;104,215,308,458,524,550,571,574,631,639,735,751,754,780,803,1086,1281,1359,1411/Bindin F;266,269/Disulfide bonds: interchain #status predicted
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C;Complex: Laminins are trimers of an alpha-type, a beta-type, and a gamma-type C;Function:
A;Description: interact with cells and with other basement membrane proteins to C;Superfamily: laminin G repeat homology; laminin-type EGP-like homology
C;Superfamily: laminin G repeat homology; laminin-type EGP-like homology
C;Superfamily: and cell binding; coiled coil; extracellular matrix;
E;1-24/Domain: signal sequence #status predicted cSIG:
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submitted to the EMBL Data Library, February 1993
A;Description: Isolation of a partial cDNA encoding a protein homologous to laminin A. A A;Reference number: S40150
A;Reference number: S40150
A;Accession: S40150
A;Accession: S40150
A;Residues: 1403-1541,'S',1543-1816 <RI3>
A;Residues: 1403-1541,'S',1543-1816 <RI3>
A;Cross-references: UNIPARC:UPI00000709C9; EMBL:X70904; NID:g437804; PIDN:CAA50261.1; PI
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A;Molecule type: mRNA
A;Residues: 1-142, 'P',144-177,'F',179-490,'Y',492-1056,'P',1058-1816 <IIV>
A;Residues: 1-142, 'P',144-177,'F',179-490,'Y',492-1056,'P',1058-1816 <IIV>
A;Residues: 1-142, 'P',144-177,'F',179-490,'Y',492-1056,'P',1058-1816 <IIV>
A;Richards, A.J.; Al-Imara, L.; Carter, N.; Leversha, M.; Lloyd, J.C.; Pope, F.M.
R;Richards, A.J.; Al-Imara, L.; Carter, N.; Leversha, M.; Lloyd, J.C.; Pope, F.M.
Submitted to the EMBL Data Library, December 1993
A;Description: Localisation of the gene (LAMA4) to chromosome 6q21 and isolation of a page 4;Reference number: $49149
A;Reference number: $49149
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A;Cross-references: GDB:
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A; Residues: 236-1816 < RI2>
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                                                                                                                                                                                                                                                                                                                                                      (EC 3.4.21.75) 2 - fruit fly (Drosophila melanogaster)
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21.0%;
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Pred. No. 1.2e+02;
3; Mismatches 20;
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    A;Cross-references:
C;Genetics:
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A;Map position: 5
A;Introns: 72/1; 122/:
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A; Residues: 1-502 <WIL>
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                                                                                               A;Residues:
                                                                                                                           A; Molecule type: DNA
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Best Local S
Matches 17
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R.Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2010

A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.; C.A.; Li, J.H.; Li, Y.; Lin, X.; Lin, S.X.; Lin, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I. Ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A;Tille: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A;Reference number: A86141; MUID:21016719; PMID:11130712
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A;Residues: 1-1680 <ROE>
A;Residues: 1-1680 <ROE>
A;Cross-references: UNIPROT:P30432; UNIPARC:UPI000016BC03; GB:M94375; NID:g157461; PID:g.
A;Note: sequence extracted from NCBI backbone (NCBIN:111933, NCBIP:111934)
C;Genetics:
A;Gene: FlyBase:Fur2
A;Cross-references: FlyBase:FBgn0004598
C;Keywords: hydrolase; serine proteinase; transmembrane protein
F;409-652/Domain: subtilisin homology <SBT>
F;418,457,638/Active site: Asp, His, Ser #status predicted
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Species: Arabidopsis thaliana (mouse C;Date: 02-Mar-2001 #sequence_revision C;Accession: G96675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Reference number: Z19226
A;Accession: T20130
A;Status: preliminary; translated from GB/EMBL/DDBJ
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UNIPROT: Q9S9J8; UNIPARC: UPI00000AACE7; GB: AE005173; NID: g4646199;
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Pred. No.
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Pred. No. 1.
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RESULT 29
T34022
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C;Genetics:
A;Gene: CESP:C50H2.3a
A;Map position: 5
A;Introns: 31/1; 98/1; 162/1; 199/1; 244/1; 279/1; 323/1; 354/2; 391/1; 408/1; 458/1;
zonadhesin - pig
C;Species: Sus scrofa domestica (domestic pig)
·C;Date: 02-Sep-2000 #sequence_revision 02-Sep-2000
                                                                                                                                                                                                                                                                                                                             A;Reference number: Z21745
A;Accession: T38571
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-701 <BA2>
A;Cross-references: UNIPROT:009807; UNIPARC:UPI000013A007; EMBL:Z54354; NID:g1019398; PI
A;Experimental source: strain 972h-; cosmid c2G11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              submitted to the EMBL Data Library, A;Reference number: Z19226
A;Accession: T20125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hypothetical protein SPAC2G11.05c - fission yeast (Schizosaccharomyces pombe C;Species: Schizosaccharomyces pombe C;Date: 16-May-1996 #Bequence_revision 13-Mar-1997 #text_change 09-Jul-2004 C;Accession: T38571; S62460
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Best Local Similarity
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Experimental source: clone C50H2
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28.6%; Pred. No. 79;
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Pred. No. 66;
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Pred. No.
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     #text_change 09-Jul-2004
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                                                                            A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Gene: CESP:F55H12.3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C; Accession:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C; Function:
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Matches
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A; Nolecule type: mRNA
A; Molecule type: mRNA
A; Residues: 1-339 < CUE>
A; Cross-references: UNIPROT: P00787; UNIPARC: UPI0000127092; GB:X82396; NID:g1524327;
A; Cross-references: UNIPROT: P00787; UNIPARC: UPI0000127092; GB:X82396; NID:g1524327;
A; Cross-references: UNIPROT: P00787; UNIPARC: UPI0000127092; GB:X82396; NID:g1524327;
                                                                                                                                                                                 cathepsin B (EC 3.4.22.1) precursor - rat

N,Alternate names: cathepsin B1; RSG-2 protein
C;Species: Rattus norvegicus (Norway rat)
C;Date: 18-Apr-1984 #sequence_revision 01-Dec-1995 #text_change 09-Jul-2004
C;Accession: S51041; A00977; T59019
R;Guenette, R.S.; Mooibtroek, M.; Wong, K.; Wong, P.; Tenniswood, M.
Eur. J. Biochem. 226, 311-321, 1994
A,Title: Cathepsin B, a cysteine protease implicated in metastatic progression,
A;Reference number: S51041; MUID:95094788; PMID:8001549
A;Accession: S51041
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R;Hardy, D.M.; Garbers, D.L.
J. Biol. Chem. 270, 26025-26028, 1995
J. Biol. Chem. 270, 26025-26028, 1995
A;Title: A sperm membrane protein that binds in a species-specific manner to A;Reference number: Z21464; MUID:96064658; PMID:7592795
A;Accession: T34022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Map position: 1
A;Introns: 87/1; 98/1; 126/2; 201/3; 343/3; 406/1; 576/3; 656/1; 825/3; 869/1; 909/1; 969/1; 1755/2; 1800/1; 1850/3; 1896/1; 2003/3; 2035/3; 2082/3; 2119/1; 2144/1; 2200/2; 2279; F;243-279/Domain: LDL receptor ligand-binding repeat homology <LDL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Molecule type: DNA
A; Residues: 1-2824 <WIL>
A; Cross-references: UNIPROT: P90891;
A; Experimental source: clone F55H12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    hypothetical protein F55H12.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Reference number: Z19610
A; Accession: T22759
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A;Residues: 1-2476 <HAR>
A;Cross-references: UNIPROT:Q28983; UNIPARC:UPI000013C373; EMBL:U40024; NID:g1066465; PII
A;Experimental source: strain Meishan; testis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Status: preliminary; translated from GB/EMBL/DDBJ
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12; Conserv
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Pred. No. 2.7e+
8; Mismatches
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2.7e+02;
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rice. Natl. Acad. Sci. U.S.A. 80, 3666-3670, 1983
A;Title: Homology of amino acid sequences of rat liver cathepsins A;Reference number: A00976; MUID:83221657; PMID:6574504
A;Accession: A00977
A.Moloccis.
                                                                                                                                                              A;Cross-references: UNIPARC:UPI0000083585; GB:chr_X; PIDN:AAC69090.1; PID:g1465856; GSPD
A;Note: glutamine-rich protein
                                                                                                                                                                                                        A; Molecule type: DNA
A; Residues: 1-378 <ST2>
                                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Reference number: A75000; MUID: 99069613; PMID: 9851916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Science 282, 2012-2018,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N;Alternate names: protein R09F10.2
C;Species: Caenorhabditis elegans
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A;Cross-references: UNIPARC:UPI00001708F9; GB:M11305; NID:9203647; PIDN:AAA40993.1;
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A; Residues: 69-339 < R
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Proc. Natl. Acad. Sci. U.S.A. 82, 232-2324, 1985
A;Title: Identification of cDNA clones encoding a precursor of rat liver cathepsin B.
A;Reference number: I59019; MUID:85190489; PMID:2986112
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A;Residues: 80-126,129-158,'G',160-333 <TAK>
A;Cross-references: UNIPARC:UPI0000172C7A
                                                                                                                                                                                                                                                                       A; Accession: C89588
                                                                                                                                                                                                                                                                                      A; Note: glutamine-rich protein
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  Best Lo
                                                                                                                         Gene: R09F10.7; R09F10.2
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                                         Query Match
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les 12; Conserv
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  l Similarity 29.0
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appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and
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Score 55.5; D
Pred. No. 61;
6; Mismatches
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Pred. No. 55;
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  14;
                                       Length 378;
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Martienssen, R.; McCombie, W. submitted to the EMBL Data Library, May 1997 A;Description: The sequence of the Arabidopsis
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F;498-778/Domain: protein kinase homology <KIN>
F;506-514/Region: protein kinase ATP-binding motif
F;93,249,265,385/Binding site: carbohydrate (Asn) (cc
F;528,544,625,627/Active site: Lys, Glu, Asp, Lys #st
F;630,634/Binding site: magnesium (Asn, Asp) #status
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N;Alternate names: protein M4I22.110
C;Species: Arabidopsis thaliana (mouse-ear cress)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Date: 19-Feb-1999 #sequence_revision 19-Feb-1999 #text_change 09-Jul-2004
C;Accession: T01519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hypothetical protein T10M13.17.1 - Arabidopsis thaliana (mouse-ear cress)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Cross-references: UNIPROT:O81833; UNIPARC:UPI00000489FA; EMBL:AL030978 A;Experimental source: cultivar Columbia; BAC clone M4I22
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A;Accession: T05754
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                                                                                                                                                A; Note: T10M13.17.1
                                                                                                                                                                         A; Map position: 4S
A; Introns: 31/3
                                                                                                                                                                                                                                                                                          A;Cross-references:
                                                                                                                                                                                                                                                                                                              A; Molecule type: DNA
A; Residues: 1-989 < JOH>
                                                                                                                                                                                                                                                                                                                                                                        A;Status: translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                              A; Reference number: Z14346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R; Johnson, A.F.; de la Bastide, M.; Lodhi, M.; Hoffman, J.; Hasegawa,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      F;1-20/Domain: signal sequence #status predicted <SIG>F;21-815/Product: S-receptor kinase #status predicted <MAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C; Keywords: ATP; glycoprotein; magnesium; phosphotransferase; receptor; serine/threonine-
F;1-20/Domain: signal sequence #status predicted <SIG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Note: M4I22.110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Map position: 4
A; Introns: 471/1;
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                                                                                                                                                                                                                                                          A; Experimental source:
                                                                                                                                                                                                                                                                                                                                                                                                  A; Accession: T01519
Query Match
Best Local Similarity 41...
Thes 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10;
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                                                                                                                                                                                                                                                             UNIPROT:Q9ZU00; UNIPARC:UPI00000A0E3D; EMBL:AF001308; NID:g2104523;
se: cultivar Columbia
                                                                  19.6%;
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35.7%;
                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 55.5; DB 1;
Pred. No. 1.2e+02;
5; Mismatches 10;
                                                                     Score 55.5;
Pred. No. 1.
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                                                            1.4e+02;
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Lys #status predicted
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Gaps

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A;Molecule type: DNA
A,Residues: 1-339 <QIA>
A;Residues: 1-339 <QIA>
A;Cross-references: UNIPROT:P10605; UNIPARC:UPI00000018A4; GB:M63999
A;Cross-references: UNIPROT:P10605; UNIPARC:UPI00000018A4; GB:M63999
R;Qian, F.; Frankfater, A.; Steiner, D.F.; Bajkowski, A.S.; Chan, S.;
Anticancer Res. 11, 1445-1451, 1991
A;Title: Characterization of multiple cathepsin B mRNAs in murine B16
A;Reference number: A49826; MUID:92082172; EMID:1746902
A;Accession: A49826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Species: Mus musculus (house mouse)
C;Date: 31-Mar-1992 #sequence_revision 26-Apr-1996 #text_change 09-Jul-2004
C;Accession: A38458; A49826; B26498; S12901; PS0360
R;Qian, F.; Frankfater, A.; Chan, S.J.; Steiner, D.F.
DNA Cell Biol. 10, 159-168, 1991
A;Molecule type: mRNA
A;Residues: 1-159, 'N',161-173,'D',175-176,'I',178-283,'V',285-339 <CHA>
A;Residues: 1-159, 'N',161-173,'D',175-176,'I',178-283,'V',285-339 <CHA>
A;Cross references: UNIPARC:UPI00016CCE0; GB:M14222; NID:g192841; PIDN:AAA37494.1; PID:
A;Ferrara, M.; Wojcik, F.; Rhaissi, H.; Mordier, S.; Roux, M.P.; Bechet, D.
FEBS Lett. 273, 195-199, 1990
A;Title: Gene structure of mouse cathepsin B.
A;Reference number: S12901; MUID:91032179; PMID:2226854
                                                                                                                                                                                                 A;Experimental source: B16a melanoma A;Note: sequence extracted from NCBI backbone (NCBIN:69034, NCBIP:69039) A;Note: three mRNA forms from B16a melanoma celss were found to have ide R;Chan, S.J.; San Segundo, B.; McCormick, M.B.; Steiner, D.F. Proc. Natl. Acad. Sci. U.S.A. 83, 7721-7725, 1986
A;Title: Nucleotide and predicted amino acid sequences of cloned human a; A;Reference number: A26498; MUID:87017021; PMID:3463996
A;Accession: B26498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          R;Qian, F.; Frankfater, A.; Chan, S.J.; Steiner, D.F. DNA Cell Biol. 10, 159-168, 1991
A;Title: The structure of the mouse cathepsin B gene and A;Reference number: A38458; MUID:91190267; PMID:2012677
A;Accession: A38458
                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Molecule type: mRNA
A; Residues: 1-339 < QI2>
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A;Reference number: Z19781
A;Accession: T23682
A;Status; preliminary; translated from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hypothetical protein M02G9.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Experimental source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Molecule type: DNA
A; Residues: 1-294 <WIL>
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Experimental source: clone M02G9
                                                                                                                                                                                                                                                                                                                                                                                                                                Cross-references: UNIPARC:UPI00000018A4; GB:S69034; NID:g239906; PIDN:AAB20536.1; PID
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llarity 37.3%;
Conservative
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                                      Matches
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A;Title: The sequence of a 36 kb segment on the left arm ase gene ACO1 and two homologues to chromosome III genes. A;Reference number: S46621; MUID:95274326; PMID:7754713 A;Accession: S46625
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C;Keywords: cysteine proteinase; glycoprotein; hydrolase; lysosome; protein degradat
C;Keywords: cysteine proteinase; glycoprotein; hydrolase; lysosome; protein degradat
F;1-17/Domain: signal sequence #status predicted <NAT>
F;80-339/Product: cathepsin B #status predicted <MAT>
F;38,192/Binding site: carbohydrate (Asn) (covalent) #status predicted
F;38,192/Binding site: carbohydrate (Asn) (covalent) #status predicted
F;93-122,105-150,141-207,142-146,179-211,187-199/Disulfide bonds: #status predicted
                                                                                                                                                                                                                                                                                                                                                                       A;Cross-references: UNIPROT:P39529; UNIPARC:UPI000013B60A; EMBL:X77688; NID:g1183992; R;Purnelle, B.; Coster, F.; Goffeau, A. submitted to the Protein_Sequence Database, September 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Species: Saccharomyces cerevisiae
C;Date: 13-Jan-1995 #sequence_revis:
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A;Title: Isolation of a cathepsin B-encoding cDNA from murine osteogenic
A;Reference number: PS0360; MUID:91365255; PMID:1889751
A;Accession: PS0360
                                                                                                                                                                                                                                                                A; Molecule type: DNA
A; Residues: 1-758 < PUW>
                                                                                                                                                                                                                                                                                                                        A;Reference number: S56977
A;Accession: S56993
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A; Residues: 1-758 < PUR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           finger protein YJL206c - yeast (Saccharomyces cerevisiae)
N;Alternate names: probable membrane protein YJL206c; protein J0316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Description: broad specificity endopeptidase A;Pathway: intracellular protein degradation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Molecule type: mRNA
A; Residues: 314-339 <
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R;Friemert, C.; Closs, E.I.; Silbermann, M.; Erfle, V.; Strauss, P.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Molecule type: DNA
A; Residues: 1-159, 'N'
                                                                                                                                                            A; Map position:
                                                                                                                                                                                                                    C; Genetics
                                                                                                                                                                                                                                             A; Cross-references:
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                                                                                                                                                                                        A;Cross-references: SGD:S0003741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: nucleic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 05-Oct-2004;Accession: S46625; S56993
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                                                                                                                                Keywords: DNA binding; nucleus; transcription
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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1235-1249, 1994
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                         19.4%;
43.8%;
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25.0%;
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                         Score 55; DB 2;
Pred. No. 1.3e+02;
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homology <GAL4>
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hypothetical protein Y68A4A.10 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
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submitted to the EMBL Data Library, September 1999
A;Reference number: Z20336
A;Accession: T27283
                                            vascular endothelial growth factor C precursor - human N;Alternate names: FLT4 ligand DHW C;Species: Homo sapiens (man) C;Date: 27-Apr-1996 #sequence_revision 01-Nov-1996 #text_change C;Accession: S69207; S61795; S71443; S69208; G02659 R;Joukov V.; Pajusola, K.; Kaipainen, A.; Chilov, D.; Lahtinen, EMBO J. 15, 1751 1996
                                                                                                                                                                                                           RESULT 40
S69207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type: DNA
A; Residues: 1-392 <WIL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Reference number:
A; Accession: T27303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            submitted to the EMBL Data Library, January 1998 A_i; Reference number: 220340
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A;Cross-references: UNIPARC:UPI000017BCB4; EMBL:AL110498; NID:e1542303; PIDN:CAB54471.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Experimental source: clone Y64G10A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein Y64G10A.f - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999
  A;Title: Corrigendum: A novel vascular endothelial growth A;Reference number: S69207; MUID:96203094; PMID:8612600
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Introns: 77/1; 116/1;
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                                                                                                                                                                                                                                                                                                SCLPCQ-TCASFTDPMSEKATCTAT 212
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                                                                                                                                                                                                                                                                                                                                                                                                            19.3%;
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25.6%;
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Pred. No.
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Pred. No. 81;
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ches 17;
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                                                                    D.; Lahtinen,
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                                                                                                                   09-Jul-2004
                                                                      I.; Kukk, E.;
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                            VEGF-C,
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                         is a ligand
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                         fd
A;Molecule type: mRNA
A;Rosidues: 1-493 <AIZ>
A;Residues: 1-493 <AIZ>
A;Residues: 1-493 <AIZ>
A;Cross references: UNIPROT:P97525; UNIPARC:UPI00001370F0; DDBJ:D42117; NID:g1817523;
A;Cross references: UNIPROT:P97525; UNIPARC:UPI00001370F0; NGF receptor repeat homc
C;Superfamily: tumor necrosis factor receptor type 2 (TNFR2); NGF receptor repeat homc
F;1-1B/Domain: signal sequence #status predicted <SIG>
F;1-1B/Domain: membrane glycoprotein CD30 homolog #status predicted <MAT>
F;278-304/Domain: transmembrane #status predicted <TMM>
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Best Local
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R;Alzawa, S.; Satch, H.; Horie, R.; Ito, K.; Choi, S.H.; Takeuchi, H.; Watanabe, Gene 182, 155-162, 1996
A;Title: Cloning and characterization of a cDNA for rat CD30 homolog and chromos A;Reference number: JC5486; MUID:97136705; PMID:8982082
A;Contents: T cell
A;Accession: JC5486
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A;Status: nucleic acid sequence not shown
A;Molecule type: mRNA
A;Residues: 1-419 <JOU>
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R;Lee, J.; Gray, A.; Yuan, J.; Luch, S.M.; Avraham, H.; Wood, W.I.
submitted to the EMBL Data Library, December 1995
A;Description: Vascular endothelial growth factor related protein (VRP):
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                                                                                                                                                                                                                C;Species: Rattus norvegicus (Norway rat)
C;Date: 07-Uul-1997 #sequence_revision 29-Aug-1997 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross-references: GDB:3890883; OMIM:601528
F;1-12/Domain: signal sequence #status predicted <SIG>
F;13-102/Domain: propeptide #status predicted <PRO>
F;103-419/Product: vascular endothelial growth factor C #status experimental
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Note: this sequence has been A;Accession: S71443
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A:Note: this sequence has been revised in
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                                                                                                                                                                                                                                                                                      membrane glycoprotein CD30 homolog precursor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             submitted to the EMBL Data Library, May 1996 A;Reference number: H01557
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Residues: 1-419 <LEE>
A;Cross-references: UNIPARC:UPI0000001C2A; EMBL:U43142; NID:g1150988; PIDN:AAA85214.1;
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A; Residues: 'X', 104-120 < JOU2>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Status: nucleic acid sequence not shown;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           OCGANREF DENTCOCV-CKRTCPRNOPLNPGKCACECTES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QCSQNEYFDSLLHACIPCQLRCSSNTP--PLTCQRYCNAS
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Pred. No. 86
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A;Residues: 1-879 cHAY>
A;Cross-references: UNIPROT:Q8X9R3; UNIPARC:UPI0000D07BA; GB:BA000007; A;Experimental source: strain O157:H7, substrain RIMD 0509952 C;Genetics: A;Genetics: A;Gen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;Blattner, F.R.; Plunkett III, G.; Bloch, C.A.; Perna, N.T.; Burland, V.; Riley, A.; Rose, D.J.; Mau, B.; Shao, Y.
Science 277, 1453-1462, 1997
A;Title: The complete genome sequence of Escherichia coli K-12.
A;Reference number: A64720; MUID:97426617; PMID:9278503
A;Accession: H64888
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A;Title: Complete genome sequence of enterohemorrhagic Escherichia coli O157:H7
A;Reference number: A99629; MUID:21156231; PMID:11258796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C;Species: Escherichia coli
C;Date: 12-Sep-1997 #sequence_revision 17-Sep-1997 #text_change 09-Jul-2004
C;Accession: H64888
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A;Residues: 1-879 <BLAT>
A;Cross-references: UNIPROT:P52645; UNIPARC:UPI000013A90E; GB:AE000235; GB:U00096; NID:
A;Experimental source: strain K-12, substrain MG1655
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gasawara, N.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          F;305-493/Domain:
                                                                                                                                                                                                                         Superfamily: Escherichia coli membrane protein ydbH;Superfamily: Escherichia coli membrane proteid <TMO1>;8-24/Domain: transmembrane #status predicted <TMO1>
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                                                                                                                                               Local
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N.; Yasunaga, T.; Kuhara,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                74
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SQNEYFDSLLHACIPC-----QLRCSSNTPPL-TCQ--RYCNASVTNS 48
                                                        LQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOMAGOCSQNEYFDSLLHACIPCQLRCSSNTPPLT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LQLTGEAKQ---ADLILYARLPAQLSGSLSDPTLT 361
                                                                                                              Conservative
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                                                                                                                                      19.3%;
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     ADLILYARLPAQLSGSLSDPTLT 361
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Pred. No. 1
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Pred. No. 99
                                                                                                                                         Score 54.5;
Pred. No. 1
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                                                                                                                 Mismatches
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                                                                                                                                            1.6e+02
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Shinagawa, H.
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C;Superfamily:
                                                                                                                                                                 siah-1A protein - mouse
(;Species: Mus musculus (house mouse)
C;Date: 02-Jul-1996 #sequence_revision
C;Accession: 140763; S35753
R;Della, N.G.; Senior, P.V.; Bowtell, Development 117, 1333-1343, 1993
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A; Molecule type: mRNA
A; Residues: 1-282 < RES >
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A; Residues: 1-2155 < LEG>
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Best Local S
Matches 10
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10; Conserv
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RESULT

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R;Della, N.G.; Senior, P.V.; Bowtell, D.D. Development 117, 1333-1343, 1993
A;Title: Isolation and characterisation of murine homologues A;Reference number: 148763; MUID:94008536; PMID:8404535
A;Accession: I48763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         alpha tectorin - mouse
C;Species: Mus musculus (house mouse)
C;Date: 22-Oct-1999 #sequence_revision 22-Oct-1999 #text_change
C;Accession: T30197
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R;Perna, N.T.; Plunkett III, G; Burland, V.; Mau, B.; Glass iller, L.; Grotbeck, E.J.; Davis, N.W.; Lim, A.; Dimalanta, Nature 409, 529-533, 2001
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hypothetical protein ydbH [imported] - Escherichia coli (strain 0157:H7, su C;Species: Escherichia coli C;Species: 16-Feb_2001 #sequence_revision 16-Feb-2001 #text_change 09-Jul-2004
A;Cross-references: UNIPROT:P61092; UNIPARC:UPI00000089B3; EMBL:Z19579; NID:g297034; PID:C;Superfamily: Drosophila developmental protein sina; RING finger homology
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Reference number: Z20771; MUID:97236843; A;Accession: T30197
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A;Title: The mouse tectorins. Modular matrix proteins of A;Reference number: Z20771; MUID:97236843; PMID:9079715
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                                                                                                      A;Status: preliminary; translated from GB/EMBL/DDBJ
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Pred. No. 3.5e+02;
6; Mismatches 15
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Pred. No. 1.6e+02;
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Apodaca,
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hypothetical protein ZK287.1 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T27827
R;McCession: T27827
R;McMurray, A,
submitted to the EMBL Data Library, April 1996
A;Reference number: Z20425
                                                                                                                                                                                                                                                                                                                                                                                                                                                           R;Steward, C.
submitted to the EMBL Data Library, January 1998
A;Reference number: Z20340
A;Accession: T27297
A;Accession: T27297
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                                                                                                                                                                                                                                                                                                                                                                                                                   A; Molecule type: DNA
A; Residues: 1-474 <WIL>
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A; Residues: 1-282 < RES>
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C;Species: Mus musculus (house mouse)
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change
C;Accession: I48764; S35754
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7, 1333-1343, 1993
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Pred. No.
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Pred. No. 70;
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A;Status; preliminary; nucleic acid sequence not shown
A;Molecule type: mRNA
A;Residues: 1-1980 «REI»
A;Residues: 1-1980 «REI»
A;Cross-references: UNIPROT:Q63358; UNIPARC:UPI000012FAD6; EMBL:X7
C;Superfamily: rat myosin heavy chain; myosin motor domain homolog
C;Keywords: nucleotide binding; P-loop
F;149-942/Domain: myosin motor domain homology «MMOT»
F;239-246/Region: nucleotide-binding motif A (P-loop)
F;1593-1641/Domain: protein kinase C zinc-binding repeat homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hypothetical protein T07D1.1 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #t. C;Accession: T16822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Accession: T27827
A;Status: preliminary; translated
A;Molecule type: DNA_
                                                                                                                                                                                                                                                                                                                 R;Reinhard, J.; Scheel, A.A.; Diekmann, D.; Hall, A.; Ruppert, C.; Baehler, M. EMBO J. 14, 697-704, 1995
A;Title: A novel type of myosin implicated in signalling by rho family GTPases A;Reference number: S54307; MUID:95188874; PMID:7882973
                                                                                                                                                                                                                                                                                                                                                                                                             myosin heavy chain - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 15-Jul-1995 #sequence_revision 01
C;Accession: S54307
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A;Gene: CESP:T07E
A;Introns: 26/3;
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A;Description: The sequence of C. elegans cosmid
A;Reference number: Z18584
A;Accession: T16822
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A; Introns: 20/1; 44/2; 99/3; 339/3; 443/2
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                                                                                                                                                                                                                                                                                              A; Reference number: A; Accession: S54307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Molecule type: DNA
A; Residues: 1-1099 <LEI>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPARC:UPI000017BB77; EMBL:U41531; NID:g1109802; PID:g1109803;
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Best Local S
Matches 17
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Best Local Similarity.
Matches 15; Conserv
                   Query Match
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Similarity 9; Conserv
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52.9%;
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                   Score 54;
Pred. No.
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Pred. No.
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Pred. No. 1.1e+02
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                                                DB 2;
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                     .7e+02;
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MGGELPSCSMDSFFDELLRDSHACTHTHTCNPPGPENTHTHTC

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A; Map position: C; Superfamily: my C; Keywords: nucle F; 149-941/Domain F; 239-246/Region
                                                                                                                                                                                                                                                                                                                                                    R;Lin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y. M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, Jeuss, D.; Nierman, W.C.; White, O.; Bisen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, Nature 402, 761-768, 1999
A;Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana. A;Reference number: A84420; MUID:20083487; PMID:10617197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Molecule type: mRNA
A;Molecule type: mRNA
A;Molecule type: mRNA
A;Residues: 1-2022 <WIR>
A;Residues: 1-2022 <WIR>
A;Residues: 1-2022 <WIRA
A;Residues: 1-2022 <WIRA
A;Cross-references: UNIPARC:UPI0000161189; GB:U42391; NID:g1147782;
A;Cross-references: Wirth, J.A.; Cheney, R.E.; Mooseker, M.S.
R;Bement, M.M.; Hasson, T.; Wirth, J.A.; Cheney, R.E.; Mooseker, M.S.
Proc. Natl. Acad. Sci. U.S.A. 91, 6549-6553, 1994
Proc. Natl. Acad. Sci. U.S.A. 91, 6549-6553, 1994
                        Ś
                                                                                                                                                                 A;Gene
A;Map
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hypothetical protein At2g16770 [imported] - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress) C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004 C;Accession: A84544
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R;Wirth, J.A.; Jensen, K.A.; Post, P.L.; Bement, W.M.; Mooseker, M.S. J. Cell Sci. 109, 653-661, 1996
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Date: 19-May-2000 #sequence_revision 19-May-2000 #text_change 31-Dec-2004
                                                                                             Query Match
Best Local (
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Best Local
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MAGQ---CSQNEYFDSLL---HACI---PCQLRCSSNTPPLTC 37
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37.2%;
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Pred. No.
                                                                                          Score 53.5;
Pred. No. 73;
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                                                                         Mismatches
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C;Acceso...
R;Steward, C.
R;Steward, C.
submitted to the EMBL Data
submitted to number: Z19470
                                                                                                                                                                                                     RESULT 56
T21773
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C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
                                                                                                           hypothetical protein T01D3.6b - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004 C;Accession: T21773; T24297
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A;Introns: 64/3; 118/1; 166/2; 328/1
C;Superfamily: papain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
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R;Wilkinson, J
                     A; Reference number: A; Accession: T21773
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A; Introns: 87/3; 101/2; 152/2; 236/1; 284/3
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A; Residues: 1-332 <WIL>
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A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Gene: CESP: F32H5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Experimental source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Status: preliminary; translated from
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hypothetical protein F32H5.1 - Caenorhabditis elegans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 55
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Residues: 1-356 <WIL>
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T21681
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                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                QTHGLCTGGNYNDQFGCKPYSIYPCDKKYANGTTSVPCPGYHTPTCEEHCTSNIT
                                                                                                                                                                                                                                                                                                                                          QMAGQC----SQNEYFDSLLHACIPCQLRCSSNTPPL-----TCQRYCNASVT 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLAQEASEACTKALTDCENDLECONRLAPLMAACSTNTCOPOCRSAVLN
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                                                                                                                                                                                                                                                                                                                                                                                     18.9%; Score 53.5; 1
21.8%; Pred. No. 97;
tive 13; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Library,
                                                                 Library,
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Pred. No. 91;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         March 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UNIPARC:UPI000007EF35; EMBL:Z81524;
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                                                                      November
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                                                                                                                                                                                                                                                                                                                                                                                       11;
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                                                                                                                                                                                                                                                                                                234
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hypothetical protein D1044.3 - Caenorhabditis C;Species: Caenorhabditis elegans C;Jate: 20-Sep-1999 #sequence_revision 20-Sep-C;Accession: T15881 R;Pauley, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     R;Steward, C.
submitted to the EMBL Data Library, November 1996
A;Reference number: Z19470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;Steward, C.
submitted to the EMBL Data Library,
A;Reference number: Z19870
A;Accession: T24297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Accession:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Molecule type: DNA
A; Residues: 1-927 <WI2>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            submitted to the EMBL Data Library, A;Reference number: Z19870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Residues: 1-927 <WIL>
A;Cross-references: UNIPROT:002364; UNIPARC:UPI0000086677; A;Experimental source: clone F35El2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hypothetical protein T01D3.6 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
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A;Experimental source: clone T01D3
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A;Experimental source: clone F35E12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Molecule type: DNA
A; Residues: 1-915 <WIL>
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A;Introns: 38/2; 87/3; 128/2; 242/2; 374/3; 416/3; 734/3; 842/3;
                                                                                                                                                                                                                                                                                                                                                                                                                          A; Experimental source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Status:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    R;Steward,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Residues: 1-915 <WI2>
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                                                                                                                 T15881
                                                                                                                                   RESULT 58
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Best Local S
Matches 13
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Local Similarity 26.0%;
les 13; Conservative
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to the EMBL Data Library,
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                                                                                                                                                                                            AFKCTEFTYFLOYCOLALPQVAMNQNWRAQINCPLACPLNAHPSTCTSSC
                                                                                                                                                                                                                              AGQCSQNEYFDSLLHACIP----
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Pred. No. 2.2e+02;
4; Mismatches 20;
                                                                                                                                                                                                                                                                     Score 53.5; DB 2;
Pred. No. 2.2e+02;
4; Mismatches 20;
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  June 1994
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                                                      20-Sep-1999 #text_change 20-Sep-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL: Z81110; PIDN: CAB03262.1; GSPDB: GN00023;
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                                                                                             elegans
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                                                                                                                                                                                                                                                                                                         Length 927;
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C89046
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                                                                                             C;Genetics:
A;Gene: C10G8.4
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A; Map position:
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Query Match
Best Local Similarity 34.4
Matches 16; Conservative
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Best Local
                                                                              position:
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A; Cross-references: UNIPARC: UPI000004CAE8;
A; Cross-references: UNIPARC: UPI000004CAE8;
A; Cross-references: Strain Bristol N2
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A;Molecule type: DNA
A;Residues: 1-1935 <LYN>
A;Cross-references: UNIPROT:060072; UNIPARC:UPI000013A2C9; EMBL:AL022600; PIDN:CAA18663.1
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A;Reference number: Z18423
A;Accession: T15881
                                                                                                                                                                                                                                                                  R;anonymous, The C. elegans Sequencing Consortium.

Science 282, 2012-2018, 1998
A;Title: Genome sequence of the nematode C. elegans: a platform for investigating biology
A;Teference number: A75000; WUID:99069613; PWID:9851916
A;Note: see websites genome.wustl.edu/gsc/C_elegans/ and www.sanger.ac.uk/Projects/C_elegans/
A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           R;Lyne, M.; Wood, V.; Rajandream, M.A.; Barrell, B.G.; Badcock, submitted to the EMBL Data Library, April 1998
A;Reference number: Z21852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A, Experimental source: strain Bristol C, Genetics:
A, Gene: CESP: D1044.3
                                                                                                                                                                                                                                                                                                                                                                                                                                     protein C10G8.4 [imported] - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: 10-May-2001 #sequence_revision 10-May-2001 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Reference number: 221852
A;Accession: T39411
A;Status: preliminary; translated from GB/EMBL/DDBJ
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C;Accession: T39411
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                                                                                                                                                                     A; Molecule type: DNA
A; Residues: 1-98 <STO>
                                                                                                                                           a;Cross_references: UNIPROT:Q94162; UNIPARC:UPI000007C506; GB:chr_V; PIDN:AAB09171.1;
                                                                                                                                                                                                                      A;Status: preliminary
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Best Local Similarity
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18.7%;
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26.5%; Pred. No. 4e+02;
tive 12; Mismatches 17;
Score 53;
Pred. No.
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Pred. No. 4.1e+02;
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     DB
37;
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Mismatches

21;

Indels

9

Gaps

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Nature 400, 0..., Jenkins, J.; Jumison, T.; Liuros, J.S.; Markors: Hunter, J.L.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Markors: Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Markors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; S. A; Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; S. ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W. A; Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000
A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C. C.A.; Li, J.H.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A;Fitle: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A;Reference number: A86141; MUID:21016719; PMID:11130712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein T1F9.18 [imported] - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress) C;Date: 02-Mar-2001 #sequence_revision 02-Mar-2001
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A;Map position: 1
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                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: DNA
A; Residues: 1-447 <STO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Reference number: A86141;
A; Accession: A96639
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A;Molecule type: DNA
A;Residues: 1-274 <STO>
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                                                                                                                                                                                                                                   Superfamily: Arabidopsis thaliana hypothetical protein F17J16
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                                              QMAGQ----
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         --CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSV
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                                                                                                                                       18.7%; Score 53; DB 2; 28.3%; Pred. No. 1.3e+02;
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Pred. No.
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Maiti, R.; Ma
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: Dewar, K.;
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A;Note: the authors translated the codon TGG for residue
R;Nophar, Y.; Kemper, O.; Brakebusch, C.; Engelmann, H.;
EMBO J. 9, 3269-3278, 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Molecule type: protein
A;Rosidues: 30-38;41-53, 'x, '55-79, 'XX', 82-94, 'NK'; 'XX', 100-104;107-128;162-167, 'X', 169-2(
A;Rossidues: 30-38;41-53, 'x, '55-79, 'XX', 82-94, 'NK'; 'XX', 100-104;107-128;162-167, 'X', 169-2(
A;Cross-references: UNIPARC:UPI000002D398; UNIPARC:UPI00001736DB;
A;Note: the purified protein, called tumor necrosis factor binding protein, is a soluble R;Gray, P.W.; Barrett, K.; Chantry, D.; Turner, M.; Feldmann, M.
Proc. Natl. Acad. Sci. U.S.A. 87, 7380-7384, 1990
A;Title: Cloning of human tumor necrosis factor (TWF) receptor cDNA and expression of receptor number: A38281; MUID:91017509; PMID:2170974
A;Accession: A38281; MUID:91017509; PMID:2170974
Gene 134, 209-216, 1993
A;Title: Cloning and partial characterization of the promoter
A;Reference number: JT0758; MUID:94085779; PMID:8262379
                                                                                                      A;Cross-references: UNIPARC:UPI000002CE11; EMBL:X55313; NID:g37223; A;Note: parts of soluble TNF binding protein 1, including its amino R;Kemper, O.; Wallach, D.
                                                                                                                                                                                                                                                                                                                                A; Title: Soluble forms of tumor necrosis factor receptors le form of the receptor.
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A; Residues: 1-455 < HIM>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPARC:UPI000002CE11; GB:M33294; NID:g339744; PIDN:AAA03210.1; PID:gR;Himmler, A.; Maurer-Fogy, I.; Kroenke, M.; Scheurich, P.; Pfizenmaier, K.; Lantz, M.; CDNA Cell Biol. 9, 705-715, 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cell 61, 361-370, 1990
A;Title: Molecular cloning and expression of a receptor for human tumor necrosis factor.
A;Reference number: A34900; MUID:90235285; PMID:2158863
A;Accession: A34900
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A; Residues: 1-455 < NOP>
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A; Residues: 1-455 < GRA>
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A; Residues: 1-455 < SCH>
                                                                                                                                                                                                                                                                        A;Accession: S12057
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Zwang, 371 as

Thr,

AAG for residue Aderka, D.; Holtm

372

(TNF-Rs).

for

the

human

25g

PIDN:CAA39021.1; PID: and carboxyl ends, we

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194
QMSGNGILTIYAHDHKKFKSLVVSCMPNLLSIFLDAPTLECYKYDGYAKTINV 246
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A;Cross-relectations of the mature A;Experimental source: placenta A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the amino end of the mature A;Note: part of this sequence, including the mature A;Note: part of this seque
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A;Title: Molecular cloning and expression of the human 55
A;Reference number: A34899; MUID:90235284; PMID:2158862
A;Accession: A34899
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C;Date: 30-Jun-1992 #sequence revision 30-Jun-1992 #text change 09-Jul-2004
C;Accession: A38208; A3499; A34900; A36555; C36555; A38281; S12057; JT0758;
R;Fuchs, P.; Strehl, S.; Dworzak, M.; Himmler, A.; Ambros, P.F.
Genomics 13, 219-224, 1992
A;Title: Structure of the human TNF receptor 1 (p60) gene (TNRF1) and localiz A;Reference number: A38208; MUID:92250049; PMID:1315717
A;Accession: A38208; MUID:92250049; PMID:1315717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tumor necrosis factor receptor 1 precursor [validated] - human
N;Alternate names: P55 tumor necrosis factor receptor; TNF receptor type 1
N;Contains: tumor necrosis factor alpha inhibitor; tumor necrosis factor binding protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Molecule type: mRNA
A; Residues: 1-455 < LOE >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          R;Loetscher, H.; Pan,
Cell 61, 351-359, 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Cross-references: UNIPROT:P19438; UNIPARC:UPI000002CE11; GB:M75864; GB:M75865; R;Loetscher, H.; Pan, Y.C.E.; Lahm, H.W.; Gentz, R.; Brockhaus, M.; Tabuchi, H.;
                                                                                                                                                                                                                                                                                                                                                                                             A;Cross-references: UNIPARC:UPI000002CE11; GB:M58286; GB:M33480; NID:g339753;
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localization to chi

GB:M7586

A60231; A382

G.H.W.; G

Gatanaga,

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confirmed k PIDN: AAA367

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A;Map position: 12p13.2-12p13.2
A;Introns: 13/3; 65/1; 108/1; 1184/2; 209/1; 247/1; 256/3; 353/1
A;Introns: 13/3; 65/1; 108/1; 1184/2; 209/1; 247/1; 256/3; 353/1
C;Superfamily: tumor necrosis factor receptor type 1 (TNFR1); NGF receptor repeat homolocy, receptor: transmembrane protein
C;Keywords: duplication; glycoprotein; receptor; transmembrane protein
C;1-21/Domain: signal sequence #status predicted <SIG>
C;22-455/Product: tumor necrosis factor receptor 1 #status predicted <MAT>
F;30-211/Domain: extracellular #status predicted <EXT>
C;41-201/Product: TNF binding protein 1 (tumor necrosis factor alpha inhibitor) #status
C;44-82/Domain: NGF receptor repeat homology <NG1>
C;84-126/Domain: NGF receptor repeat homology <NG2>
C;84-126/Doma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Experimental source: normal urine R;Kajihara, J.; Asada, A.; Kirihara, S.; Kato, K. Biosci. Biotechnol. Biochem. 58, 2266-2268, 1994 A;Title: Amino acid sequence of natural tumor necrosis factor alpha inhibitor purified A;Reference number: JC2404; MUID:95128033; PMID:7765720 A;Accession: JC2404
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A;Title: Two tumor necrosis factor-binding protein A;Reference number: A35010; MUID:90110215; PMID:21 A;Accession: A35010
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A; Residues: 41-43; 'X', 45-53; 'X', 55-57 < SEC>
A; Cross-references: UNIPARC: UPI0000072FDB
R; Gatanaga, T.; Hwang, C.; Kohr, W.; Cappuccini, F.; Lucci
Proc. Natl. Acad. Sci. U.S.A. 87, 8781-8784, 1990
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A;Title: Tumor necrosis factor inhibitor: purification, NH-2-terminal amino A;Reference number: A60231; MUID:90292116; PMID:2113477
A;Accession: A60231
                                                                                                                                                                                                           F:127-167/Domain: NGF receptor repeat homology <NG3 > F;168-196/Domain: NGF receptor repeat homology <NG4 > F;168-196/Domain: transmembrane #status predicted <MEM> F;212-234/Domain: intracellular #status predicted <INT>
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A;Residues: 41-53, 'X',55-144,'X',146-150,'X',152-186,'X',188-201 <KAJ>
A;Cross-references: UNIPARC:UPI00001736E4
A;Experimental source: urine
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A;Residues: 41-43,'X',45-53,'V',55-57,'XK',60 <OLS>
A;Cross-references: UNIPARC:UPI00001736E2
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A;Molecule type: DNA
A;Residues: 1-13 <KEM>
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                                        Query Match
Best Local S
Matches 14
                                                                                                                                                                              ;54,145,151/Binding
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:Map position: 12p13.2-12p13.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cross-references: UNIPARC:UPI0000155CFB
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                                            Conservative
                                                                          18.7%;
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                                        Score 53; DB Pred. No. 1.4e 5; Mismatches
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                                                                      1.4e+02;
                                                                                                               DB 1;
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                                            19;
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hypothetical protein C14C11.8 - Caenorh (;Species: Caenorhabditis elegans C;Date: 15-Oct-1999 #sequence_revision C;Accession: T30116 R;Du, Z.; Gattung, S.
                                                                                                                                                                              RESULT
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A;Title: The cDNA sequence,
A;Reference number: JC1480;
A;Accession: JC1480
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A;Molecule type: DNA
A;Residues: 1-596 <STO>
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A,Experimental source: brain
C;Superfamily: protein kinase C, zeta/iota types; protein kinase C zinc-binding C;Keywords: ATP; phorbol ester binding; phosphotransferase; serine/threonine-spe F;131-180/Domain: protein kinase C zinc-binding repeat homology <KZl>F;250-518/Domain: protein kinase homology <KIN>F;258-266/Region: protein kinase ATP-binding motif F;281/Active site: Lys #status predicted
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    R; anonymous, The C. elegans Sequencing Consortium.
Science 282, 2012-2018, 1998
A;Title: Genome sequence of the nematode C. elegans: a platform for investigating biology
A;Reference number: A75000; MUID:99069613; PMID:9851916
A;Note: see websites genome.wustl.edu/gsc/C_elegans/ and www_sanger.ac.uk/Projects/C_elegans/,Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and
A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; A;Accession: F88188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein C18H9.7 [imported] - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
C;Accession: F88188
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C;Species: Mus musculus (house mouse)
C;Date: 05-May-2000 #sequence_revision 05-May-2000 #text_change 05-Oct-2004
C;Accession: JC1480
R;Goodnight, J.; Kazanietz, M.G.; Blumberg, P.M.; Mushinski, J.F.; Mischak,
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A; Cross-references: UNIPROT: Q02956; UNIPARC: UPI0000029ADD; GB: M94632; NID: g200498;
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                                                               Caenorhabditis elegans
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Pred. No. 1.7e+02;
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Pred. No. 1.7e+02;
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15-Oct-1999 #text_change 09-Jul-2004
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A;Note: host Homo sapiens (man)
C;Date: 30-Jun-1993 #sequence_revision 30-Jun-1993 #text_change 09-Jul-2004
C;Accession: A42535
R;Mulligan, M.J.; Yamshchikov, G.V.; Ritter Jr., G.D.; Gao, F.; Jin, M.J.; Nail, J. Virol. 66, 3971-3975, 1992
J. Virol. 66, 3971-3975, 1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Gene: env
C;Superfamily: type E retrovirus env polyprotein
C;Keywords: coat protein; glycoprotein; polyprotein; transmembrane protein
C;Keywords: coat protein; glycoprotein; polyprotein; transmembrane protein
F;1-19/Domain: signal sequence #status predicted <SIG>
F;20-712/Product: env polyprotein #status predicted <ENV>
F;20-501/Product: surface glycoprotein gp120 #status predicted <SGG>
F;506-712/Product: transmembrane glycoprotein gp41 #status predicted <TPG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Gene: CESP:C14C11.8
A;Map position: 5
A;Introns: 50/3; 98/3; 155/3; 182/3; 229/3; 318/3; 365/3; 522/3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Status: preliminary; translated A;Molecule type: DNA A;Residues: 1-654 <DUZ>
                                                                  A;Note: host Homo sapiens (man)
C;Date: 31-Dec-1990 #sequence_revision 31-Dec-1990 #text_change 09-Sep-1994
C;Accession: H33943
                                                                                                                                    N;Alternate names: coat polyprotein N;Contains: surface glycoprotein gp120; transmembrane glycoprotein gp4. C;Species: human immunodeficiency virus type 2, HIV-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                F;507-523/Region: hydrophobic
F;675-694/Domain: transmembrane #status predicted <TMN>
F;36,69,78,113,119,131,137,145,160,173,200,232,235,242,266,272,283,294,304,359,392,402,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Residues: 1-712 <MUL>
A;Cross-references: UNIPROT:P32536; UNIPARC:UPI000012A033; C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Title: Cytoplasmic domain truncation enhances fusion activity A;Reference number: A42535; MUID:92260681; PMID:1583738 A;Accession: A42535
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A;Description: The sequence of
A;Reference number: Z20742
A;Accession: T30136
  A; Title:
                         R; Kumar, P.; Hui,
J. Virol. 64, 890
                                                                                                                                                                                                                     env polyprotein precursor - human immunodeficiency virus
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                                                                                                                                                                                                                                                                                                                                                                                            HACIPCQLRCSSNT--
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                         H.; Kappes, J.C.;
-901, 1990
characterization of an attenuated human
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29.3%;
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Pred. No. 1.9e+
5; Mismatches
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Pred. No.
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                                           Haggarty,
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2e+02;
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                                                B.S.;
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                                                Hoxie,
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                                                                                                                                                                                                                                                                                                                                                                                            49
                                                                                                                                                                                                                     type
immunodeficiency virus type
                                                J.A.; Arya,
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                                                S.K.; Shaw,
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                                                G.M.
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JC5598
                                                                                                                                    similibert, H.; Duesterhoeft, A.; Wood, V.; Rajandream, submitted to the EMBL Data Library, October 1998 A;Reference number: Z21973
                                                                                                                                                                                                                                         probable cysteine-rich transcription regulator - fi
C;Species: Schizosaccharomyces pombe
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999
A;Molecule type: DNA
A;Residues: 1-1077 <HIL>
A;Cross-references: UNIPROT:074853; UNIPARC:UPI000006A9D7; EMBL:AL031907;
A;Experimental source: strain 972h-; cosmid c18
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                                                                                           A;Status: preliminary; translated from GB/EMBL/DDBJ
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F;20-859/Product: env polyprotein #status predicted <ENV>
F;20-859/Product: surface glycoprotein gp120 #status predicted <SGG>
F;506-859/Product: transmembrane glycoprotein gp41 #status predicted <TGG>
F;507-523/Region: hydrophobic
F;675-694/Domain: transmembrane #status predicted <TMN>
F;36,69,78,113,119,131,137,145,160,173,186,200,232,235,242,266,272,283,294,304,359,392,40
                                                                                                                                                                                                                                                                              A;Cross-references: UNIPROT:035888; UNIPARC:UPI00000E7779; GB:U83139; A;Note: translation not complete C;Comment: This protein is a high molecular weight glycoprotein which ntestinal tract and reproductive tract.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          R;Inatomi, T.; Tisdale, A.S.; Zhan, Q.; Spurr-Michaud, S.; Gipson, I.K. Biochem. Biophys. Res Commun. 236, 789-797, 1997
A;Title: Cloning of rat Mucia gene: Comparison of its structure A;Reference number: JC5598; MUID:97396181; PMID:9245735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C;Superfamily: type E retrovirus env polyprotein
C;Keywords: coat protein; glycoprotein; polyprotein; transmembrane
F;1-19/Domain: signal sequence #status predicted <SIC>
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A;Crose-----
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A;Accession: H33943
A;Molecule type: genomic RNA
                                                                                                                                                                                      F;45-149/Domain: cysteine-rich <CYS>
F;762-830/Domain: von Willebrand factor type C repeat homology
                                                                                                                                                                                                                                                                                                                                                                                  A; Molecule type: mRNA
A; Residues: 1-1034 < INA>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Species: Rattus norvegicus (Norway rat)
C;Date: 23-Sep-1997 #sequence_revision 23-Sep-1997 #text_change 09-Jul-2004
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C;Genetics:
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                                                                                                                                         Query Match
                                                                                                                                                                                                                                                            Genetics:
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16; Conserv
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MLDLEVVCSGLELYASLCAAQGVCIPWRSH-TNNTCPFTC
                                               MLQMAGQCSQNEYFDSLLHA---CIPCQLRCSSNTPPLTC
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                                                                                               Conservative
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                                                                                                                18.7%;
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29.3%;
                                                                                          Score 53; DB :
Pred. No. 2.7e-
5; Mismatches
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Pred. No. 2.3e+02
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                                                                                                                2.7e+02
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                                                                                                                                         Length 1034;
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  598
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yeast

(Schizosaccharomyces

#text_change 09-Jul-2004

м. А.

Barrell, B.G

PIDN: CAA21417. J

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R;Thomas, K.
submitted to the EMBL Data Library,
A;Reference number: S28285
A;Accession: S28291
A;Status: preliminary
NA
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A;Gene: SPDB:SPCC18.03
A;Map position: 3
F;193-252/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                                        A;Introns: 14/1; 32/3; 57/1; 192/3; 277/1; 398/1; 439/1; 474/1; 497/1; 813/1; 493/1; 2555/1; 2720/1; 2739/3; 2819/1
493/1; 2555/1; 2720/1; 2739/3; 2819/1
F;220-274/Domain: animal Kunitz-type proteinase inhibitor homology <BPI1>F;343-395/Domain: animal Kunitz-type proteinase inhibitor homology <BPI1>F;442-492/Domain: animal Kunitz-type proteinase inhibitor homology <BPI3>F;546-598/Domain: animal Kunitz-type proteinase inhibitor homology <BPI3>F;654-706/Domain: animal Kunitz-type proteinase inhibitor homology <BPI3-F;654-706/Domain: animal Kunitz-type proteinase inhibitor homology <BPI3-F;654-706/Domain: animal Kunitz-type proteinase inhibitor homology <BPI3-F;654-706/Domain: animal Kunitz-type BPI3-F;654-706/Domain: animal 
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A;Residues: 1-1474 <STO>
A;Cross-references: UNIPROT:062504; UNIPARC:UPI00000781E7; GB:chr_III; PIDN:CAA79570.1;
C;Genetics:
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                                                                                                          F:1662-1716/Domain: animal Kunitz-type proteinase inhibitor homology <BPI6>F;1787-1839/Domain: animal Kunitz-type proteinase inhibitor homology <BPI7>F;1787-1839/Domain: animal Kunitz-type proteinase inhibitor homology <BPI7>F;1845-1895/Domain: animal Kunitz-type proteinase inhibitor homology <BPI9>F;1952-2004/Domain: animal Kunitz-type proteinase inhibitor homology <BPI9>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C;Accession: S28291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hypothetical protein ZC84.1 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 09-Jul-2004
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C;Species: Caenorhabditis elegans
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;Residues: 1-2844 <THO>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cross-references: UNIPROT:Q03610; UNIPARC:UPI000017BCE9; EMBL:Z19157
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                                                                          2097-2152/Domain: animal Kunitz-type proteinase
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Matches 13; Conservative
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Pred. No. 2.8e+02;
7; Mismatches 14
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Pred. No. 3.7e+02;
       Score 53;
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       DB 2;
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Length 2844;
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myb-related transcription factor MYB33 [imported] - Arabidopsis thaliana (fragment) C;Species: Arabidopsis thaliana (mouse-ear cress) C;Date: 18-Aug-2000 #sequence_revision 18-Aug-2000 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Map position: 4L
C; Superfamily: Saccharomyces hypothetical protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Species: Saccharomyces cerevisiae
C;Date: 15-Feb-1996 #sequence_revision 01-Mar-1996 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hypothetical protein YDL162c - yeast N;Alternate names: hypothetical prote
                                                                                                             A;Map position: III
C;Keywords: transcription factor
                                                                                                                                                                                                                                                A;Status: preliminary; translated A;Molecule type: mRNA
                                                                                                                                                                                                                                                                                      A; Reference number: Z14349;
A; Accession: T51647
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A; Title: Towards functional
                                                                                                                                                                                                                                                                                                                                                                                        R; Kranz, H.D.; Denekamp, M.; Greco, R.;
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A; Residues: 1-118 < POW >
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A; Residues: 1-118 < POH>
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                                                                                                                                                    A;Gene: MYB33
                                                                                                                                                                                         A;Cross-references: UNIPROT:Q9ZTE7; UNIPARC:UPI00000A77EF; EMBL:AF062875; PIDN:AAC83597
A;Experimental source: cultivar Columbia
                                                                                                                                                                                                                               A; Residues: 1-378 < KRA>
                                                                                                                                                                                                                                                                                                                                                                                                          C; Accession: T51647
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GQCSQNEYFDSLLHACIPCQLR---
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protein D1510
                                9;
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5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Mismatches
                                  Score 52.5; DB 2
Pred. No. 1.3e+02
9; Mismatches 20
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Pred. No. 4
                                                                                                                                                                                                                                                                      from GB/EMBL/DDBJ
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                                      Gaps
  42
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                                                                                                                                                                                                                                                                                                                               gene
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GNCASSPRYENFMTPTIPSSKRIWESELLYPGCSSTIKQEFSSPEQFRNTSPQTISKTCS

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C;Accession: F72072
R;Kalman, S.; Mitchell, W.; Marathe, R.; Lammel, C.; Fan, J.; Olinger, Nature Genet. 21, 385-389, 1999
A;Title: Comparative genomes of Clamydia pneumoniae and C. trachomatis A;Reference number: A72000; MUID:99206606; PMID:10192388
A;Accession: F72072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         probable transaminase (EC 2.6.1.-) aspC [similarity] - Chlamydophila pneumoniae
C;Species: Chlamydophila pneumoniae, Chlamydia pneumoniae
C;Date: 23-Apr-1999 #sequence_revision 23-Apr-1999 #text_change 09-Jul-2004
C;Accession: F72072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     R;Pauley, A.; Gattung, S. submitted to the EMBL Data Library, September 1996 A;Description: The sequence of C. elegans cosmid M01H9 A;Reference number: Z20626 A;Accession: T29488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-389 <PM>
A;Residues: 1-389 <PM>
A;Cross-references: UNIPROT:Q95018; UNIPARC:UPI000007DA14; EMBL:U70853; PIDN:AAB09143.1
A;Experimental source: strain Bristol N2; clone M01H9
C;Genetics:
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                                                                                                                                                                                                                                                                                                                                                                                    A;Cross-references: UNIPROT:09Z856; UNIPARC:UPI00000D40BB; GB:AE001634; GB:AE001363; NII
A;Experimental source: strain CWL029
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A; Map position:
A; Introns: 51/1
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                                                                                                             RESULT 77
                                                                                                                                                                                                                                                                                                                                                                                                                           A;Molecule type: DNA
A;Residues: 1-397 <ARN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Status: preliminary
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    hypothetical protein M01H9.2 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
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Best Local
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Best Local
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                                                                                                                                                                 337 SDEEAFDFFLHQYHIAVTPGHGFGSCGQGFVRFSALTQPQNIALACDRLCTASLKETM 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       51/1; 96/1;
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                                                                                                                                                                                                     SQNEYFDSLLH----
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                                                                                                                                                                                                                                      18.6%; ilarity 29.3%; Conservative
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                                                                                                                                                                                                                                      Score 52.5; DB 2;
Pred. No. 1.4e+02;
6; Mismatches 18
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Pred. No. 1.4e+02;
 M.; Tabuchi,
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                                                                     __ Chlamydophila pneumoniae (strain
                                                                                                                                                                                                    ACIPCQLRCSSNTPP----LTCQRYCNASVTNSV 49
                                    02-Mar-2001 #text_change 09-Jul-2004
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 M.; Kishi, F.; Ouchi,
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Best Local S
Matches 10
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R;Ayres, M.D.; Howard, S.C.; Kuzio, J.; Lopez-Ferber, M.; Possee, R.D. Virology 202, 586-605, 1994
A;Title: The complete DNA sequence of Autographa californica nuclear polyhedrosis virus. A;Reference number: A72850; MUID:94303173; PMID:8030224
A;Accession: D72860
                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 79
D72860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R;Bhargava, A.K.; Woitach, J.T.; Davidson, E.A.; Bhavanandan, V.P. Proc. Natl. Acad. Sci. U.S.A. 87, 6798-6802, 1990
A;Title: Cloning and cDNA sequence of a bovine submaxillary gland mucin-like protein cont A;Reference number: A36054; MUID:90370871; PMID:2204065
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C; Superfamily:
                                                                                                                                                                                                                                                                                                                                                  A;Note: dsDNA virus
C;Date: 12-Nov-1999 #sequence_revision 12-Nov-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                   viral capsid associated protein - Autographa californica nuclear polyhedrosis virus
C;Species: Autographa californica nuclear polyhedrosis virus, AcMNPV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Species: Bos primigenius taurus (cattle)
C;Date: 16-Nov-1990 #sequence_revision 16-Nov-1990 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: UNIPROT:Q9Z856; UNIPARC:UPI00000D40BB; GB:BA000008; NID:g8978865; A;Experimental source: strain J138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-397 <STO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleic Acids Res. 28, 2311-2314, 2000
A;Title: Comparison of whole genome sequences of chlamydia A;Reference number: A86491; MUID:20330349; PMID:10871362
A;Accession: C86552
                                                                                                                                                     A; Molecule type: DNA
A; Residues: 1-847 < AYR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Molecule type: mRNA
A; Residues: 1-563 < BHA>
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                                                                                                                                  A; Cross-references:
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                                                                                                                Genetics:
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  l Similarity 31.;
10; Conservative
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17; Conserv
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Pred. No. 1.4e+02;
Score 52.5; DB 2;
Pred. No. 2.6e+02;
7; Mismatches 12;
                                                                                                                                     UNIPARC: UPI000013921A; GB:L22858; NID:g510708;
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                                            Length 847;
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C; Species: Ra
C; Date: 15-Ja
C; Accession:
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R;Miner J.H.; Lewis, R.M.; Sanes, J.R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Gene: SM1
C;Superfamily: pig submaxillary mucin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 R.Jiang, W.; Woitach, J.T.; Keil, R.L.; Bhavanandan, V.P. Biochem. J. 331, 193-199, 198. Biochem. J. 331, 193-1199, 198. A;Title: Bovine submaxillary mucin contains multiple doma A;Reference number: Z22092; MUID:98180948; PMID:9512479
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                  trypsin inhibitor IV - sea anemone (Radianthus macrodactylus)
C;Species: Radianthus macrodactylus
C;Date: 15-Jan-1993 #sequence_revision 15-Jan-1993 #text_char
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                                                                                                                                                                                                                                                                                                                                                                                                                      A; Molecule type: mRNA
A; Residues: 1-3635 <MIN>
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A; Accession: T10053
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R;Miner, J.H.; Lewis, R.M.; Sanes, J.R. submitted to the EMBL Data Library, Nov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        T10053
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Residues:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Reference number: Z22092;
A;Accession: T42233
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                                                                                                                                                                                                                                                                                                          1942-1970/Domain: EGF
                                                                                                                                                                                                                                                                                                                          Keywords: basement membrane; cell binding; extracellular matrix;1888-1939/Domain: laminin-type EGF-like homology <LEG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Status: preliminary; translated from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Date: 16-Jul-1999 #sequence_revision 16-Jul-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Species: Bos primigenius taurus (cattle);Date: 03-Dec-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                  Query Match
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Pred. No. 9.1e
7; Mismatches
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Pred. No. 4.5e+02;
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9.1e+02;
nes 19;
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                      09-Jul-2004
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R;Kylsten, P.; Kimbrell, D.A.; Daffre, S.; Samakovlis, C.; Hultmark, D. Mol. Gen. Genet. 232, 335-343, 1992
A;Title: The 1950zyme locus in Drosophila melanogaster: different genes are A;Reference number: 820914; MUID:92269751; PMID:1588905
A;Accession: 820915
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Bioorg. Khim. 11, 293-301, 1985
A;Title: Amino-acid sequence of trypsin inhibitor
A;Reference number: JN0380
A;Accession: JN0380
                                                                                      genome polyprotein core/E1 region (isolate BR33-1) - hepatitis C virus (strain C;Species: hepatitis C virus C:C;Date: 03-May-1994 #sequence_revision 03-May-1994 #text_change 09-Jul-2004 C;Accession: PC1305
                                                                                                                                                                                RESULT
PC1305
                                                                                                                                                                                                                                                                                                                                                                                                                                               C;Keywords: bacteriolytic enzyme; glycosidase; hydrolase; F;1-19/Domain: signal sequence #status predicted <SIG>F;20-141/Product: lysozyme D #status predicted <MAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Residues: 1-141 <KYI>
A;Cross-references: UNIPROT:P29615; UNIPARC:UPI00001249AC;
A;Cross-references: UNIPROT:P29615; UNIPARC:UPI00001249AC;
R;Daffre, S.; Kylsten, P.; Samakoviis, C.; Hultmark, D.
Mol. Gen. Genet. 242, 152-162, 1994
Mol. Gen. Genet. 242, 152-162, 1994
A;Title: The lysozyme locus in Drosophila melanogaster: an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Cross-references: UNIPROT:P16344; UNIPARC:UPI000012DA5F C;Superfamily: basic proteinase inhibitor; animal Kunitz-type pr C;Keywords: serine proteinase inhibitor F;4-54/Domain: animal Kunitz-type proteinase inhibitor homology F;4-54,13-37,29-50/Disulfide bonds: #status predicted
R;Stuyver, L.; Van Arnhem, W.; Wyseur, A.; DeLeys, R.; Maertens, Biochem. Biophys. Res. Commun. 192, 635-641, 1993
A;Title: Analysis of the putative El envelope and NS4a epitope raile. A;Reference number: PC1300; MUID:93249436; PMID:7683463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                lysozyme (BC 3.2.1.17) P precursor - fruit fly (Drosophila melanogaster) C;Species: Drosophila melanogaster C;Date: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 09-Jul-2004 C;Accession: S20915; S41578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Map position: 3
C; Superfamily: lysozyme
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A; Residues: 1-141 <D
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A; Accession: S41578
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Gene: lysP
A;Cross-references:
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35.0%;
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MUID:94211204; PMID:8159165
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tissue factor pathway inhibitor precursor - rhesus macaque N;Alternate names: extrinsic pathway inhibitor; lipoprotein-associated coagulation C;Species: Macaca mulatta (rhesus macaque) C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 09-Jul-2004 C;Accession: JC2264 R;Kamei, S; Kamikubo, Y; Hamuro, T.; Fujimoto, H.; Ishihara, M.; Yonemura, H.; MiJ. Biochem. 115, 708-714, 1994
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C;Superfamily: hepatitits C virus genome polyprotein
C;Keywords: capsid protein; envelope protein; glycoprotein; polyprotein; t
F;53-64,74-84,91-103,109-118,155-164/Region: hypervariable region #status
F;125-154/Domain: transmembrane #status predicted <TMM'>
F;57,70,95,166/Binding site: carbohydrate (Asn) (covalent) #status predict
A;Cross-references: UNIPROT:028864; UNIPARC:UPI0000136C90; GB:S73337; NID:g685016; PIDN: A;Experimental source: liver
C;Comment: This protein inhibits the activities of factor Xa and tissue factor-factor VI
C;Superfamily: tissue factor pathway inhibitor; animal Kunitz-type proteinase inhibitor
C;Keywords: anticoagulant; glycoprotein; serine proteinase inhibitor
C;Keywords: anticoagulant; glycoprotein; serine proteinase inhibitor
F;1-28/Domain: signal sequence #status predicted <NIG-F;29-304/Product: tissue factor pathway inhibitor #status predicted <NAT-F;24-104/Domain: animal Kunitz-type proteinase inhibitor homology <BP1-F;125-175/Domain: animal Kunitz-type proteinase inhibitor homology <BP2-F;217-267/Domain: animal Kunitz-type proteinase inhibitor homology <BP3-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Molecule type: DNA
A;Residues: 1-181 <BEV>
A;Cross-references: UNIPROT:O82636; UNIPARC:UPI00000A5180; EMBL:AL031804
A;Cross-references: UNIPROT:O826621
A;Cross-references: UNIPROT:O826621
A;Cross-references: UNIPROT:O826621
A;Cross-references: UNIPROT:O826621
A;Cross-references: UNIPROT:O8266221
A;Cross-references: UNIPROT:O8266221
A;Cross-references: UNIPROT:O8266221
A;Cross-references: UNIPROT:O8266221
A;Cross-references: UNIPROT:O8
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R;Bevan, M.; Terryn, N.; Ardiles, W.; Buysshaert, C.; Dasseville, ewes, H.W.; Mayer, K.F.X.; Schueller, C.
submitted to the Protein Sequence Database, October 1998
A;Reference number: Z15407
A;Accession: T05301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A,Title: Amino acid sequence and inhibitory activity of rhesus A;Reference number: JC2264; MUID:94375417; PMID:8089087 A;Accession: JC2264
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C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 23-Apr-1999 #sequence_revision 23-Apr-1999 #text_change 09-Jul-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                        A; Molecule type: mRNA
A; Residues: 1-304 < KAM>
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17; Conserv
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Pred. No.
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Pred. No.
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                 protein MEDEA [imported] - Arabidopsis thaliana
C;Species: Arabidopsis thaliana (mouse-ear cres
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F;54-104,63-87,79-100,125-175,134-158,150-171,217-267,226-250,242-263/Disulfide bonds: F;644/Inhibitory site: Lys (coagulation factor VII/tissue factor complex) #status predict F;135/Inhibitory site: Arg (coagulation factor X) #status predicted F;135/Inhibitory site: Arg (coagulation factor X) #status predicted F;145,195,256/Binding site: carbohydrate (Asn) (covalent) #status predicted F;227/Inhibitory site: Arg (unidentified proteinase) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                      hypothetical protein K03A1.3 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #t.C;Accession: T34318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Cross-references:
C;Superfamily: OpMNI
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A;Title: Sequence and analysis of the genome of a baculovirus
A;Reference number: Z20836; WUID:99124785; PMID:9887315
A;Accession: T30507
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 probable alkaline exonuclease - Lymantria dispar nuclear polyhedrosis virus
C;Species: Lymantria dispar nuclear polyhedrosis virus, LdMNPV
C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004
                                                                                                                                                                         A; Gene: CESP: K03A1.3
A; Introns: 33/3; 50/2;
                                                                                                                                                                                                                                                                A; Molecule type: DNA
A; Residues: 1-547 < NHA>
                                                                                                                                                                                                                                                                                                                                                                        submitted to the EMBL Data Library, November 1995 A; Description: The sequence of C. elegans cosmid
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                                                                                                                                                                                                                                                                                                     A;Status: preliminary; translated from GB/EMBL/DDBJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              preliminary; translated from GB/EMBL/DDBJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QMAGQCSQNEYFDSLLHACIPCQLRCSSNTPP--LTCQRYCNAS 44
CQKTKFADGIGHKCFYCQLR
                                         CSQNEYFDSLLHACIPCQLR 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nces: UNIPROT:Q9YMH1; UNIPARC:UPI00000F0FCB; EMBL;AF081810; OpMNPV alkaline exonuclease
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32.5%;
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                                                                                                         Score 52;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 52; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 52; DB 2;
Pred. No. 1.6e+02
8; Mismatches 2
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                                                                                                                                DB 2;
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                                                                                                                              Length 547
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                                                                                                                                                                            390/2; 451/1; 484/2
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                                                                                       Gaps
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C;Date: 20-Oct-:
C;Accession: T5:
R;Grossniklaus;
                                                                                                                                           envelope polyprotein - human immunodeficiency virus type 2 C;Species: human immunodeficiency virus type 2, HIV-2 C;Date: 08-Jul-1995 #sequence_revision 21-Jul-1995 #text_cl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-689 <GRO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A,Title: Maternal control of embryogenesis by MEDEA, a polycomb group gene in A;Reference number: Z25927; MUID:98212068; PMID:9545225 A;Accession: T52060
A;Reference number: S53091
A;Accession: S53098
A;Status: preliminary
                                                                  A; Description: Molecular and
                                                                                    R;Becker, M.; Zorr, B.; Becker, A.; Habermehl, K.O. submitted to the EMBL Data Library, March 1995
                                                                                                                              C; Accession: S53098
                                                                                                                                                                                                                  S53098
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C;Keywords: AIDS; coat protein; glycoprotein; polyprotein; transmembrane F;1-19/Domain: signal sequence #status predicted <SIG> F;20-852/Product: env polyprotein #status predicted <MAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C; Superfamily: type E retrovirus env polyprotein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Gene: env
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Note: this sequence was submitted to JIPID, October A;Note: readthrough of the UAG stop codon at 739 may C;Comment: Cleavage sites that yield the mature coat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Molecule type: DNA
A; Residues: 1-852 < HAS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Accession: JS0334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R;Hasegawa, A.; Tsujimoto, H.; Maki, N.; Ishikawa, K.; Miura, T.; Fukasawa, M.; Miki, K. AIDS Res. Hum. Retroviruses 5, 593-604, 1999
A;Title: Sequence of a distinct HIV-2 isolate from Ghana showing significant divergence A;Reference number: JS0327; MUID:90122350; PMID:2611042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C; Accession: JS0334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Note: host Homo sapiens (man) C; Date: 30-Jun-1990 #sequence_r
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;Date: 30-Jun-1990 #sequence_revision 26-Jan-1996 #text_change 16-Feb-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Keywords: AIDS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Alternate names: coat polyprotein species: human immunodeficiency virus type 2, HIV-2
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9; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                        18.4%;
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                                                                phylogenetic characterisation
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2.5e+02;
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                                                                                                                                                    09-Jul-2004
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K;Tensen, C.P.; Kesteren, E.R.; Planta, R.J.; Cox, K.; Burke, J.F.; submitted to the EMBL Data Library, June 1993 A;Description: A G protein-coupled receptor with LDL-binding motifs A;Reference number: $40241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Residues: 1-869 <BEC>
A;Cross-references: UNIPROT:Q76627; UNIPARC:UPI0000106243; EMBL:Z48731; NID:g732718; C;Superfamily: type E retrovirus env polyprotein C;Keywords: polyprotein
                                                                                                         R; Pascolo, S.; Ghazvini
Yeast 8, 987-995, 1992
                                                                                                                                                                   C;Species: Saccharomyces cerevisiae
C;Date: 07-May-1993 #sequence_revision 07-May-1993 #text_change 09-Jul-2004
C;Accession: S30015; S37821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Keywords: G protein-coupled receptor; transmembrane protein F;38-77/Domain: LDL receptor ligand-binding repeat homology <LDL1>F;79-113/Domain: LDL receptor ligand-binding repeat homology <LDL2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        G protein-coupled receptor - great pond snail
C;Species: Lymnaea stagnalis (great pond snail)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995
A; Reference number: A; Accession: S30015
                                                                                      A; Title: The sequence of a 9.3 kb segment located on the
                                                                                                                                                                                                                                                          hypothetical protein YKL010c - yeast (Saccharomyces cerevisiae) N;Alternate names: hypothetical protein YKL162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F;656-679/Domain:
F;704-727/Domain:
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                                                    ribosomal protein L10
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12; Conserv
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in: LDL receptor ligand-binding repeat homology <LDL4-
in: LDL receptor ligand-binding repeat homology <LDL4-
in: LDL receptor ligand-binding repeat homology <LDL5-
in: LDL receptor ligand-binding repeat homology <LDL5-
in: LDL receptor ligand-binding repeat homology <LDL6-
in: LDL receptor ligand-binding repeat homology <LDL7-
in: LDL receptor ligand-binding repeat homology <LDL7-
in: LDL receptor ligand-binding repeat homology <LDL7-
in: LDL receptor ligand-binding repeat homology <LDR8-
in: leucine-rich alpha-2-glycoprotein repeat homology <LRR2-
in: leucine-rich alpha-2-glycoprotein repeat homology <LRR2-
in: leucine-rich alpha-2-glycoprotein repeat homology <LRR3-
in: leucine-rich alpha-2-glycoprotein repeat homology <LRR8-
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                                                                                                                                           Ghazvini, M.; Boyer, J.;
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26.7%;
                              MUID:93127732;
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Pred. No. 3.1e+02
                                                                                                                                           Colleaux,
                                  PMID:1481574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3.8e+02;
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                                                                                                                                           L.; Thierry, A.; Dujon,
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PID? Vanc

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A;Cross-references: UNIPARC:UPI0000084020; EMBL:U90756; C;Genetics: 1,725/2; 796/3; 1120/1; 1410/1; 1477/2 C;Superfamily: boll weevil vitellogenin
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A;Cross-references: UNIPAROT:P33202; UNIPARC:UPI0000137AD6; GB:S53418; NID:g263497; PIDN
A;Experimental source: Strain S288C
A;Experimental source: Strain S288C
                   C;Accession: S57816; A42316
R;de Bolle, M.F.C.; Eggermont, K.; Duncan, R.E.; Osborn, R.W.; Terras, F.R.G.; Broekaert Plant Mol. Biol. 28, 713-721, 1995
A;Title: Cloning and characterization of two cDNA clones encoding seed-specific antimical A;Reference number: S57815; MUID:95375234; PMID:7647302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                R;Hiremath, S.T.; Lehtoma, K.
submitted to the EMBL Data Library, June 1996
A;Description: Gypsy moth vitellogenin mRNA.
A;Reference number: Z223321
A;Accession: T43162
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A;Cross-references:
A;Map position: 11L
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                                                                                                                                             antimicrobial peptide 2 precursor - garden four-o'clock
C;Species: Mirabilis jalapa (garden four-o'clock)
C;Date: 28-Oct-1995 #sequence_revision 03-Nov-1995 #text_change 09-Jul-2004
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A;Title: Structure of the gypsy moth vitellogenin
A;Reference number: Z22378; MUID:97468497; PMID:93
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A; Accession: S57816
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A; Residues: 1-1747 <HIR>
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A;Residues: 1-1483 <BOY>
A;Cross-references: UNIPARC:UPI0000137AD6; EMBL:Z28010; NID:g485992; PIDN:CAA81845.1;
A;Experimental source: strain S288C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;Residues: 1-819,'Q',821-1747 <HI2>
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;Species: Lymantria dispar (gypsy moth)
;Date: 11-Jan-2000 #sequence_revision 11-Jan-2000
;Accession: T43162; T43268
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Best Local
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Pred. No. 5.6e+02
6; Mismatches
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PMID:9327584
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T14525
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A;Title: Isolation and characterization of a novel class of plant antimicrobial peptides A;Reference number: A42316; MUID:92129292; PMID:1733929
A;Accession: A42316
                                           A;Cross-references: UNIPROT:Q08879; UNIPARC:UPI0000176527; EMBL:X70854 R;Pan, T.C.; Kluge, M.; Zhang, R.Z.; Mayer, U.; Timpl, R.; Chu, M.L. submitted to the EMBL Data Library, January 1993 A;Description: Sequence of extracellular mouse protein BM-90/fibulin a:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Species: Brassica oleracea (wild cabbage)
C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change
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A;Molecule type: mRNA
A;Residues: 1-63 <DEB>
                                                                                                                                                     A; Molecule type: mRNA
A; Residues: 1-685 < PAN>
                                                                                                                                                                                                                                                                                                                                                                                         C; Species: Mus musculus (house mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                 N; Alternate names: basement-membrane protein BM-90
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A;Accession: T14525
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                        A; Reference number: S36440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequence extracted from NCBI backbone
                                                                                                                                                                                                                                                                                                                                                                                                                                            splice form C precursor - mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            369 CEKRCLSD---CNCTAYANADIRNSGTG 393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24 COLRCSSNTPPLTCORYCNASVINSVKG 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17 LLHACIPCOLRCSSNT-PPLTCORYC 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24 MIEACIGNGGRCNENVGPPYCCSGFC 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              l Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 51.5; DB 2;
Pred. No. 1.9e+02;
3; Mismatches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (NCBIP:78217)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 2;
                                                protein BM-90/fibulin and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11;
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31-Dec-2004

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N;Alternate names: basement-memurance process.

N;Species: Mus musculus (house mouse)

C;Date: 10-Dec-1993 #sequence revision 10-Nov-1995 #text_change 09-Jul-2004

C;Accession: S34968; S36441; S18814

R;Pan, T.C.; Kluge, M.; Zhang, R.Z.; Mayer, U.; Timpl, R.; Chu, M.L.

Eur. J. Biochem. 215, 733-740, 1993

A;Title: Sequence of extracellular mouse protein BM-90/fibulin and its calc

A;Reference number: S34968; MUID:93358897; PMID:8354280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Introns: 568/3
C;Superfamily: fibulin-1; EGF homology
C;Superfamily: fibulin-1; EGF homology
C;Keywords: alternative splicing; basement membrane; calcium binding; extracellular matr
E;1-29/bomain: signal sequence #status predicted <SIG>
E;30-685/Product: fibulin, splice form C #status predicted <MAT>
E;38,537,541/Binding site: carbohydrate (Asn) (covalent) #status predicted
                                                                                RESULT
S43656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A,Experimental source: cell-line F9 teratocarcinoma
R,Kluge, M.; Mann, K.; Dziadek, M.; Timpl, R.
Eur. J. Biochem. 193, 651-659, 1990
A,Title: Characterization of a novel calcium-binding 90-kDa glycoprotein (BM-90)
A,Reference number: S13814; MUID:91065369; PMID:2249686
A;Accession: S13814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Cross-references: UNIPROT:Q08879; UNIPARC:UPI000017651E
R;Pan, T.C.; Kluge, M.; Zhang, R.Z.; Mayer, U.; Timpl, R.; Chu, M.L.
submitted to the EMBL Data Library, January 1993
A;Description: Sequence of extracellular mouse protein BM-90/fibulin
A;Reference number: S36440
A;Accession: S36441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Molecule type: mRNA
A;Residues: 1-39,'p',41-685 <CHU>
A;Cross-references: UNIPARC:UPI000002A96F; EMBL:X70854
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Molecule type: mRNA
A; Residues: 1-39,'p',41-705 < PAW>
A; Residues: 1-39,'p',41-705 < PAW>
A; Cross-references: UNIPARC: UPI0000028FD1; EMBL: X70854; NID: g396820; PIDN: CAA50207.1;
N; Alternate names: C; Species: Lymnaea
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A;Cross-references: UNIPARC:UPI000011EBB0; UNIPARC:UPI000017651F; UNIPARC:UPI0000176520
525; UNIPARC:UPI0000176526
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type: mRNA
A; Residues: 1-705 < PAN>
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                                                        furin (EC 3.4.21.75)
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Best Local Similarity
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les 13; Conserv
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                                                                                                                                                                                              ECKAGFYFDGISRTCVDINECORYPGRLCGHKCENTPGSFHCS--CSAGFRLSVDG
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(great pond snail)
                                                        pond
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                                                                                                                                                                                                                                                                                                                                         Score 51.5; DB 2;
Pred. No. 2.9e+02;
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Pred. No. 2.8e+02;
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                                                                                                                                                                                                                                                                                                                                                                    DB 2;
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C;Date: 19-ma.
C;Accession: $43656
C;Accession: $943656
R;Smit, A.B.; Spijker, S.; Nagle, G.T.;
Tart. 343, 27-31, 1994
                                                                                                                                                                                                                                     A;Map position: 4
A;Map position: 4
A;Introns: 99/2; 255/2; 365/2; 435/3; 565/2; 975/2; 1055/2; 1602/3;
C;Superfamily: laminin-type EGF-like homology
F;797-842/Domain: laminin-type EGF-like homology <LEG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 R;Johnson, D.; Bradshaw, H.; Keppler, D. submitted to the EMBL Data Library, December 1997 A;Description: The sequence of C. elegans cosmid W03F8 A;Reference number: Z18293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A,Title: Structural characterization of a Lymnaea putative endoprotease related A,Reference number: S43656; MUID:94215700; PMID:8163012 A;Accession: S43656
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                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPROT:044565; UNIPARC:UPI000007A125; EMBL:AF039041; NID:g2736380; A;Experimental source: strain Bristol N2; clone W03F8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 31-Dec-2004
C;Accession: T15099
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hypothetical protein W03F8.5 - Ca
C; Species: Caenorhabditis elegans
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                                                                                                                                                                                                                                                                                                                                                                                                        A; Residues: 1-1808 < JOH>
                                                                                                                                                                                                                                                                                                                                                                                                                           A; Molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Accession: T15099
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                                                                                                                                                                                 Similarity
                                                                              ERCGECAQNHWGSPREVGGTCERCDCNGNIDMAMEGSCDAATGECLKCLHHTEGAQCEHC 1040
                                                                                                                      QMAGQCSQNEY----
  VDGYYGDAKLKTCORCVCNELGTNSTKG
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                                        ---SNTPPLTCQR-YCNASVTNSVKG
                                                                                                                                                              Conservative
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                                                                                                                                                                              18.2%;
21.6%;
                                                                                                                                                         Score 51.5; DB 2;
Pred. No. 6.5e+02;
8; Mismatches 22;
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Pred. No. 3.
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  1068
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                                                                                                                                                            Gaps
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HCV E1 pr
Fusarium
                                                                                                          Hepatitis
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Pseudomon
                                                                       Plant
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                                                                                                                               Hepatitis
                                                                                                                                   Hepatitis
                                                   Propionib
                                                                                                                                      Lead
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Synthetic
                                                                                                                                                                                  B-cell maturation antigen; BCMA.
                                                                                                                                                                                          cytostatic; neoplasm;
                                                                                                                                                                                                APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                         WPI; 2005-555932/56.
                                                                                      Kelley
                                                                                                                              04-AUG-2004; 2004WO-US025247
                                                                                                                                          18-AUG-2005
                                                                                                                                                        WO2005075511-A1
                                                                                                                                                                                                             Amino acid
                                                                                                                 29-JAN-2004; 2004US-0540271P
                                                                                                    (GETH ) GENENTECH INC
                                                                                      RF,
                                                                                                                                                                                                            sequence
                                                                                      Patel D;
                                                                                                                                                                                                            of an extracellular domain
                                                                                                                                                                                         immunosuppressive; therapeutic;
                                                                                                                                                                                                              of BCMA
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The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antig (BCMA). APRIL and BAFF are tumor necrosis family (TMF) members. The

antigen

for treating immune-relat such as graft rejection, inflammation.

Disclosure; SEQ ID NO 21; 140pp;

English

New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and

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RESULT 2
AAB08843
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The present sequence represents a BCMA (not defined) polypeptide. BCMA is a necrossis factor (NF)-kB activator. The method of the invention is used to identify compounds which modulate BCMA activity (and thus NF-kB activity). The specification describes a method of identifying a polypeptide which increases gene expression from a promoter. The method involves contacting a library of with a cell which expresses a recombinant anti-cell death gene and a reporter gene operably linked to the promoter, and then determining whether the expression of the reporter gene is altered as a result of contact with library. The method is useful for identifying polypeptides which increase or decrease gene expression from a promoter. The BCMA polypeptide or nucleic acid are useful for preparing a pharmaceutical composition for treating cancer, apoptosis, viral infections, inflammatory response, such as rheumatoid arthritis, inflammatory bowel disease or septic shock. BCMA is useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arrhritis, multiple sclerosis, and systubus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents an extracellular domain of BCMA.
                                                                                                                                                                                                                                                                                                   Identifying a modulator of gene expression for drug designing, by contacting a compound library with a cell expressing an anti-cell d gene and reporter gene, and determining alteration in reporter gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BCMA; necrosis factor-kB activator; NF-kB; gene expression; cancer; anti-cell death gene; apoptosis; viral infection; inflammatory resprheumatoid arthritis; inflammatory bowel disease; septic shock.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB08843 standard; peptide; 184 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              represents an extracellular domain of
                                                                                                                                                                                                                                                      Claim 32; Fig 7A;
                                                                                                                                                                                                                                                                                     expression.
                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-558405/51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Domain
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                                                                                                                                                                                                                                                      53pp; English
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Pred. No. 3.9e-26;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                domain"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                response;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
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            The present sequence represents a human BCMA protein, a B cell protein related to transmembrane activator and CAML-interactor (TACI) receptor. TACI is a tumour necrosis factor (TNF) receptor. The extracellular domains of BR43X2 (an isoform of TACI), TACI or BCMA (a related B cell protein) receptor contain a cysteine rich domain, and are used for inhibiting ztnf4 activity. Ztnf4 is a TNF ligand. They may also be used for inhibiting BR43X2, TACI or BCMA receptor-ligand engagement associated with activated or resting B lymphocytes, effector T-cells, or with antibody production. The antibody production is associated with an autoimmune disease selected from systemic lupus erythematosus, myasthenia gravis, multiple sclerosis and rheumatoid arthritis. The ztnf4 activity and BR43X2, TACI or BCMA receptor-ligand engagement is associated with asthma, bronchitis, emphysema, end stage renal failure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 184
                                                                                                                                                                                                                                                                                                                                                                                                           Gross JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-JAN-2000; 2000WO-US000396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200040716-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    immune response; immunosuppression; graft rejection; joint pain; graft versus host disease; inflammation; swelling; anaemia; septic insulin dependent diabetes mellitus; Crohn's disease; hypertension;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            systemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        transmembrane activator and CAML-interactor; tumour necrosis factor; ztnf4 activity; antibody production; autoimmune disease; amyloidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; BR43x2; TACI receptor; extracellular domain; BCMA; B cell protein;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY94001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY94001 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       identifying compounds designing
                                                                                                                                                                                                                                                                                                                                                             N-PSDB; AAA58559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          rheumatoid
                                                                                                                                                                                                                                                                                                     Inhibiting ztnf4 activity in a mammal, to treat autoimmune diseases, renal disease, graft versus host disease, and inflammation, comprise
                                                                                                                                                                                                                                                                                                                                                                                                                                               (ZYMO ) ZYMOGENETICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 temic lupus erythematosus; myasthenia gravis; multiple sclerosis; umatoid arthritis; asthma; bronchitis; emphysema; pyelonephritis; stage renal failure; glomerulonephritis; vasculitis; nephritis; stage renal failure; glomerulonephritis; vasculitis; nephritis; al neoplasm; multiple myeloma; lymphoma; light chain neuropathy;
                                                                                                                                                                                                                                                                                                                                                                           2000-452538/39
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                                                                                                                                                                                                                                                                                                                                                                                                           Χu W,
                                                                                                                                                                                                                                                       Page
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      stenosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein, a B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                       a BR43x2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9905-00226533
                                                                                                                                                                                                                                                         152;
                                                                                                                                                                                                                                                                                                                                                                                                              Madden
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein; 184
vasculitis, nephritis, pyelonephritis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       that modulate NF-kB expression and thus for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      occlusion;
                                                                                                                                                                                                                                                                                         TACI or BCMA
                                                                                                                                                                                                                                                                                                                                                                                                              ζ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cell protein related to TACI
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                                                                                                                                                                                                                                                       English
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Pred. No. 1.5e-25;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cholesterol; renal emboli.
                                                                                                                                                                                                                                                                                         extracellular domain polypeptide
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 renal
                                                                                                                                                                                                                                                                                                         comprises
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RESULT 4
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Best Local S
Matches 51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE09241 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Inhibiting or neutralizing TALL-1 or APRIL polypeptide biological activity, for treating autoimmune disorders and cancer, comprises exposing the cells to TALL-1 or APRIL polypeptide agonists or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  autoimmune disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200160397-A1
                                                                                                                                                                                                                                                                                                                                                                         Example 2; Fig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ashkenazi AJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-FEB-2000; 2000US-0182938P.
22-AUG-2000; 2000US-0226986P.
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)B; AAD15902.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  51;
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Pred. No. 1.5e-25;
); Mismatches 0;
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                                                                                                                                                                                        interaction
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Sequence 184

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         regulate monocyte, macrophage and B lymphocyte mediated immune responses. TALL-1 protein is useful for identifying compounds that regulate B lymphocyte proliferation. It is also useful for treating B lymphocyte associated autoimmune disorders like rheumatoid arthritis, systemic lupus erythematosus (SLB), insulin dependent diabetes mellitus, multiple sclerosis, myasthenia gravis, Grave's disease, autoimmune haemolytic anaemia, autoimmune thrombocytopenia purpura, Goodpasture's syndrome, pemphigus vulgaris, acute rheumatic fever, post-streptococcal glomerulonephritis, or polyarteritis nodosa. The TALL-1 protein and its corresponding nucleic acid sequence are also useful in diagnostic assays. The present sequence is a human B cell maturation factor (BCMA) protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; Tumour Necrosis Factor; TNF; immunosuppressant; TALL-1;
Tumour necrosis factor and ApoL-related Leucocyte expressed Ligand 1;
therapy; autoimmune disorder; rheumatoid arthritis; multiple sclerosis;
systemic lupus erythematosus; SLE; insulin dependent diabetes mellitus;
thrombocytopenia purpura; acute rheumatic fever; Goodpasture's syndrome;
haemolytic anaemia; Grave's disease; myasthenia gravis; chromosome 16;
post-streptococcal glomerulonaphritis; polyarteritis nodosa; BCMA;
B cell maturation factor; pemphiqus vulgaris: B-lymnhocyte archiferentin-
                                                                                                                                                                                                                  The present invention relates to Tumour necrosis factor (TNF) and Apol-related Leucocyte expressed Ligand 1 (TALL-1) nucleic acid molecules, proteins (including homologues), and their antibodies. The invention in particular relates to methods for regulating the interaction between TALL-1 and TALL-1 receptors (BCMA referred as B cell maturation factor) to
                                                                                                                                                                                                                                                                                                                                                                       Isolated TALL-1 protein is used to identify compounds that regulate lymphocyte proliferation, used to treat B lymphocyte associated autoimmune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY71979 standard; protein; 184 AA
                                                                                                                                                                                                                                                                                                                                  Claim 37; Page 104-105; 112pp; English
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N-PSDB; AAD02125.
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 the receptor for TALL-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          maturation factor (BCMA) protein
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/label=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
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Pred. No. 1.5e-25;
Nismatches 0;
 protein.
BCMA gene is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
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RESULT 6
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 Query Match
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11-FEB-2000;
18-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human BAFF-R; BAFF receptor; TNF family; immunoregulatory agent; immune-related disorder; B-cell growth inhibitor; BCMA; B-cell maturation inhibitor; immunoglobulin production inhibitor; autoimmune disorder; B-cell lymphoproliferative disorder; hypertension renal disorder; immunosuppressive disorder; HIV infection; organ transplantation; antiinflammatory; systemic lupus erythematosus; autoimmune haemolytic anaemia; Grave's disease; multiple myeloma; B-cell carcinoma; leukaemia; rapidly progressive glomerulonephritis;
The invention relates to the use of a BAFF receptor (BAFF-R, also known as BCMA) protein, or a BAFF-R fusion protein as an agent for the treatment of a variety of immune-related disorders. BAFF-R is a member of the TNF (tumour necrosis factor) family, acting as an immunoregulatory agent, and also plays a role in the development of hypertension and related disorders. BAFF-R, fusion proteins containing it, and BAFF-R specific antibodies can be used for inhibiting B-cell growth, dendritic cell-induced B-cell growth and maturation, and immunoglobulin production, and in the treatment of autoimmune disorders. Breell lymphoproliferative disorders, hypertension and renal disorders. The BAFF-R proteins may also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16. In human tissues, BCMA is expressed by spleen and lymph nodes but by brain, muscle, heart, lung, kidney, pancreas, testis and placenta. BCMA mRNA is absent in the pro-B lymphocyte stage but its expression increases with B lymphocyte maturation
                                                                                                                                                                                    Claim 20;
                                                                                                                                                                                                                 Inhibiting dendritic cell-induced B-cell growth, maturation and B-cell lympho-proliferative disorder by administering BAFF-receptor polypeptide, chimeric molecule comprising receptor or anti-BAFF-R antibody homolog.
                                                                                                                                                                                                                                                                                                                                                    Mackay F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       lymphoma; gene therapy; cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         standard; protein; 184
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                                                                                                                                                                                  Fig 1; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                    Browning
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2000US-0181684P.
2000US-0183536P.
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llarity 100.0%;
Conservative 0
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Pred. No. 1.5e-25;
Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                    Tschopp J,
                                                                                                                                                                                                                                                                                                                                                        Schneider
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RESULT 7
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ID AABO
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Best Local S
Matches 51
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                                                                                                                                                                                                                                       Treating a mammal for a condition associated with undesired cell proliferation such as cancer or carcinoma, comprises administering a composition comprising A Proliferation Inducing Ligand Receptor (APRIL-R)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-OCT-1999; 99US-0157933P
11-FEB-2000; 2000US-0181807P
30-JUN-2000; 2000US-0215688P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; A Proliferation Inducing Ligand Receptor; APRIL-R; cytostatic; gene therapy; cancer; nephrotropic; renal disorder; autoimmune disease; carcinoma; lung; colon; breast; prostate; Grave's disease; hypertension; systemic lupus erythematosus; SLE; inflammation; cardiovascular disease; B-cell lympho-proliferative disorder; BCM; immunosuppressive disease; organ transplantation; HIV; human immunodeficiency virus; TNF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Schneider P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-OCT-2000; 2000WO-US027579
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tumour necrosis factor; BCMA; B cell maturation protein
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.000US-0181807P
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Pred. No. 1.5e-25;
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The invention relates to a method of treating a mammal for a condition associated with undesired cell proliferation such as cancer or carcinor. The method involves administering a composition comprising A Proliferation Inducing Ligand Receptor (APRIL-R) also referred as B ce.

as B cell carcinoma.

The present invention describes a human tumour Disclosure; Page 135-136; 154pp; English.

necrosis

factor receptor

85pp;

English

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ABB81487
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Best Local S
Matches 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          interaction between APRIL and its cognate receptor(s). This method is useful for treating undesired cell proliferation such as cancer or carcinoma e.g. human lung carcinoma, colon carcinoma, breast carcinoma, prostate carcinoma, and other carcinomas whose proliferation is modulated by APRIL. It is also useful for treating autoimmune diseases (Grave's disease, systemic lupus erythematosus SLE); hypertension, cardiovascular diseases, renal disorders, B-cell lympho-proliferative disorders, immunosuppressive diseases, organ transplantation, inflammation and human immunodeficiency virus (HIV), and for treating, suppressing or altering an immune response involving a signalling pathway between APRIL-R and its ligand. APRIL-R DNA is also useful in gene therapy. The present sequence is human APRIL-R also referred as BCMA or BCM protein
                                                                Novel isolated human tumor necrosis factor receptor Ztnfr 12, useful for treating autoimmune disorders, renal failure or renal disease and lymphoma.
                                                                                                                                                                                                                                                07-NOV-2000; 2000US-0246449P

20-DEC-2000; 2000US-0257131P

28-JUN-2001; 2001US-0301715P

29-AUG-2001; 2001US-0315565P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                glomerulonephritis; vasculitis; chronic lymphoid leukaemia; nephritis; pyelonephritis; renal neoplasm; multiple myeloma; amyloidosis; light chain neuropathy; hypertension; large vessel disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             immunosuppressive; dermatological; antiinflammatory; antidlabetic; neuroprotective; antirheumatic; antiarthritic; antiasthmatic; nephrotropic; hypotensive; gene therapy; B lymphocyte; tumour; autoimmune disorder; systemic lupus erythematosus; myasthenia gravis; multiple sclerosis; insulin dependent diabetes mellitus; asthma; rheumatoid arthritis; bronchitis; emphysema; renal disease; lymphoma; rheumatoid arthritis; bronchitis; emphysema; renal disease; lymphoma;
                                                                                                                                          WPI; 2002-508212/54.
                                                                                                                                                                                                                                                                                                                                         05-NOV-2001; 2001WO-US047018
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     graft-versus host disease;
                                                                                                                                                                                                                (ZYMO ) ZYMOGENETICS INC
                                                                                                                                                                                                                                                                                                                                                                             16-MAY-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human BCMA receptor related protein SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABB81487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 184 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      maturation protein (BCM or BCMA) antagonist that antagonises the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ztnfr12; tumour necrosis factor receptor; cytostatic;
suppressive; dermatological; antiinflammatory; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 standard; protein; 184
                                                                                                                                                                            Х'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
ilarity 100.0%;
Conservative (
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                                                                                                                                                                          RM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   graft rejection; Crohn's disease
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                                                                                                                                                                            Grant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 283; DB 4;
Pred. No. 1.5e-25;
Mismatches 0;
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                                                                                   emphysema,
                                                                                                    polypeptide,
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                                                                                   end stage
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RESULT 9
ABP54694
CC designated Ztnfr12 (I). (I) has cytostatic, immunosuppressive, CC dermatological, antiinflammatory, neuroprotective, antidiabetic, CC antirheumatic, antiarthritic, antiasthmatic, nephrotropic and hypotensive CC activities, and can be used in gene therapy. (I) can be used for CC inhibiting, in a mammal, the activity of a ligand that binds Ztnff12 CC (e.g. ZTNF4), for treating disorders and diseases associated with B CC lymphocytes, activated B lymphocytes or resting B lymphocytes, and for CC inhibiting the proliferation of tumour cells. (I) is useful for treating CC autoimmune disorders such as systemic lupus erythematosus, myssthenia CC gravis, multiple sclerosis, insulin dependent diabetes mellitus, asthma, CC remunatoid arthritis, bronchitis, emphysema and end stage renal failure CC remulation arthritis, and pyelomephritis, and for treating renal CC complasms, multiple myelomas, lymphomas, light chain neuropathy, or cooplasms, multiple myelomas, lymphomas, light chain neuropathy, or cooplasms, multiple myelomas, lymphomas, light chain neuropathy, or complasms, multiple myelomas, lymphomas, light chain neuropathy, or complasment, for modulating develoment, for modulating develoment, for modulating develomen
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Best Local
                                                                                     New genes that are up- or down-regulated in colorectal cancer, useful for diagnosing colorectal cancer in a subject, or for identifying modulators of colorectal cancer-associated proteins and genes for treating
                                                                     colorectal cancer.
                                                                                                                                                                                                                                                                                                                                                                                                    27-FEB-2001; 2001US-0272206P.
02-APR-2001; 2001US-0281149P.
17-APR-2001; 2001US-0284555P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diagnosis; gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Metastatic colorectal cancer-associated polypeptide.
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                                                                                                                                                                                               N-PSDB;
                                                                                                                                                                                                                                                                         Mack DH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-FEB-2002; 2002WO-US006001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200268677-A2
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                                                                                                                                                                                                                                                                                                                            (UYCA-)
                                                                                                                                                                                                                                                                                                                                                    EOSB-)
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                                                                                                                                                                                                                         2002-698677/75
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                                                                                                                                                                                                                                                                                                                         EOS BIOTECHNOLOGY INC.
UNIV CASE WESTERN RESERVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
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                                                                                                                                                                                                                                                                         Markowitz
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        therapy; vaccine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     metastasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein;
                                                                                                                                                                                                                                                                         SD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          184
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Pred. No. 1.5e-25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     differential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   expression;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 184;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cytostatic;
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Claim 8;

Page 255; 260pp; English

The invention relates to the manufacture of a composition for inhibiting the proliferation of tumour cells. The method involves using an antibody component that binds both the B-cell maturation antigen (BCMA) and the transmembrane activator and calcium-modulator and cyclophilin ligandinteractor (TACI). BCMA and TACI binding antibody compositions are useful

are useful

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RESULT 10
AAE28961
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Query Match
Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present sequence is the protein sequence of a human polypeptide encoded by a gene that exhibits decreased expression in colon cancerderived metastases compared to normal colon tissue. It is an example of claimed polypeptides that are encoded by genes which are differentially expressed in metastatic colorectal cancer cells. Such polypeptides are useful in diagnostic and prognostic assays, for raising antibodies useful e.g. in immunotherapy, and in screening for modulator compounds of
                                                                                              B-cell maturation antigen and transmembrane activator and calcium-modulator and cyclophilin ligand-interactor, useful for treating disorders e.g. inflammation or lymphoma.
                                                                                                                                                                                                                                                                                                                                                                                                                              Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; tumour; B-cell maturation antigen; transmembrane activator; calcium-modulator; cyclophiln ligand-interactor; TACI; gene therapy; neoplasm; chronic lymphocytic leukaemia; lymphoproliferative disease; non-Hodgkin's lymphoma; light chain gammopathy; inflammation; asthma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 184 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           therapeutic value
                                                                                                                                                   N-PSDB;
                                                                                                                                                                                                                                        20-FEB-2001;
12-APR-2001;
                                                                                                                                                                                                                                                                             06-FEB-2002; 2002WO-US003500.
                                                                                                                                                                                                                                                                                                                                                                  Region
                                                                                                                                                                                                                                                                                                                                                                                            Domain
                                                                                                                                                                                                                                                                                                                                                                                                                  Region
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BCMA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human B-cell maturation antigen (BCMA).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE28961;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE28961 standard; protein;
                                                                       Disclosure; Page 63; 67pp; English.
                                                                                                                                                                                      Kindsvogel
                                                                                                                                                                                                                                                                                                                              WO200266516-A2
                                                                                                                                                                                                                (OMYZ)
                                                                                                                                                               2002-723183/78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 multiple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                   AAD46410.
                                                                                                                                                                                                                ZYMOGENETICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                         2001US-0270274P.
2001US-0283447P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 myeloma.
                                                                                                                                                                                                                                                                                                                                                                             /note=
                                                                                                                                                                                                                                                                                                                                                                                                      /note=
                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                 INC
                                                                                                                                                                                                                                                                                                                                                      "Cysteine rich region"
                                                                                                                                                                                                                                                                                                                                                                              "Extracellular
                                                                                                                                                                                                                                                                                                                                                                                                       "Antigenic epitope"
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Pred. No. 1.5e-25;
; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 184;
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RESULT:
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Best Local S
Matches 51
                                                                                         The invention relates to fusion proteins comprising transmembrane activator and calcium modulator and cyclophilin ligand-interactor (TACI) receptor group that binds tumour necrosis factor-like protein (ZTNF)2 or ZTNF4; and an immunoglobulin group comprising a constant region of an immunoglobulin. The invention is used to manufacture a medicament for inhibiting the proliferation of tumour cells in a mammalian subject. The composition comprising the fusion protein may also be used in treating autoimmune diseases (e.g. systemic lupus erythematosus, multiple sclerosis, diabetes mellitus, rheumatoid arthritis and asthma), renal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Transmembrane activator; calcium modulator; nephrotropic; antibacterial; TACI; tumour necrosis factor-like protein; ZTNF2; ZTNF4; immunoglobulin; anaemia; gene therapy; cytostatic; antiinflammatory; immunosuppressive; glomerulonephritis; asthma; bronchitis; graft rejection; septic shock; dermatological; neuroprotective; cyclophilin ligand-interactor; human; autoimmune disease; systemic lupus erythematosus; multiple sclerosis; diabetes mellitus; rheumatoid arthritis; renal disease; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Transmembrane activator and calcium modulator and cyclophilin ligand-interactor (TACI)-immunoglobulin fusion protein, for treating cancer diabetes, comprises a TACI receptor group and an immunoglobulin group
diseases (e.g. glomerulonephritis), bronchitis, inflammation, graft rejection, anaemia and septic shock. The fusion proteins are also used gene therapy. The present sequence is human B-cell maturation receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Col 100; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B-cell maturation receptor; BCMA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-MAY-2001; 2001US-0293343P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAY-2002; 2002WO-US015910
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OMYZ)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
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tive 0; Mismatches 0;
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Best Local Similarity
Matches 51; Conser
The invention relates to a novel TALL-1 antagonist protein, comprising a sequence that differs from SEQ ID NO:2, or amino acids 134-285 of SEQ ID NO:2. by at least one modification in the region connecting &bgr; strands D and E that reduces the biological activity of the TALL-1 antagonist as compared to wild-type TALL-1. A protein of the invention has immunosuppressive, antirheumatic, antiinflammatory, antiarthritic, dermatological, antidiabetic, neuroprotective, antithyroid, antipyretic, nephrotropic, and vasotropic activity. A TALL-1 antagonist may be used in a vaccine. A protein of the invention is useful for inhibiting TALL-1 biological activity in a mammal. TC is useful for treating autoimmune diseases, rheumatoid arthritis, systemic lupus erythematosus, insulin dependent diabetes mellitus, multiple sclerosis, myasthaenia gravis, Grave's disease, autoimmune hemolytic anaemia, autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           multiple sclerosis; myasthaenia gravis; Grave's disease; autoimmune hemolytic anaemia; autoimmune thrombocytopenic purpura; Goodpasture's syndrome; pemphigus vulgaris; acute rheumatic fever; post-streptococcal glomerulonephritis; polyarteritis nodosa; BCMA.
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07-FEB-2002; 2002US-0354966P.
13-AUG-2002; 2002US-0403364P.
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Pred. No. 1.5e-25
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                          The invention relates to a novel antibody or its fragment, which CC immunospecifically binds tumour necrosis factor Delta (TNF-delta/APRIL). The antibody of the invention has dermatological, immunosuppressive, CC antiinflammatory, antitheumic, antiarthritic, cytostatic, antianaemic, antianlergic, antiasthmatic, neuroprotective, ophthalmological, CC tuberculostatic, antidiabetic, antipsoriatic, anti-HIV, CC tuberculostatic, vasotropic, thyromimetic, and haemostatic activity. CC antiarterioscolerotic, vasotropic, thyromimetic, and haemostatic activity. CC The antibody or its fragment are useful for treating, preventing or CC ameliorating cancer such as Non-Hodgkin's lymphoma or multiple myeloma in the control of the co
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel isolated antibody that immunospecifically binds tumor necrosis factor delta, useful for treating, preventing or ameliorating Non-Hodgkin's lymphoma, multiple myeloma, rheumatoid arthritis or Sjogren's
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receptor.
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The disease or disorders includes autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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Pred. No. 1.5e-25; Mismatches 0
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                                                                                                            The present sequence represents a human BCMA polypeptide. The specification also describes TACI and BR3 polypeptides. TACI and BR3 are receptors. Tumour necrosis factor (TNF) family ligands TALL-1 and April bind to the TACI receptor, while TNF family ligands TALL-1 also binds to BR3 receptor. The TACI and BR3 receptor nucleic acid is useful for preparing a composition for treating systemic lupus erythematosus
                                                                                                                                                                                                                                           New nucleic acid encoding a TACIs or BR3 polypeptide, useful for preparing a composition for treating systemic lupus erythematosus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABP97717 standard; protein;
                                                                                      Sequence 184
                                                                                                                                                                                                                 Disclosure; Fig 2; 153pp; English
                                                                                                                                                                                                                                                                                      N-PSDB;
                                                                                                                                                                                                                                                                                                                              Dixit V,
                                                                                                                                                                                                                                                                                                                                                                                     03-AUG-2001;
30-APR-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; TACI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amino acid sequence
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                                              Similarity
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  MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                                                                              Grewal I,
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                               Conservative
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2002US-0377171P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BR3; receptor; tumour necrosis factor ligand; TNF ligand;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             systemic lupus erythematosus; BCMA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        of human BCMA receptor.
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Pred. No. 1.5e-25;
; Mismatches 0;
                             Score 283; DB 6;
Pred. No. 1.5e-25;
Mismatches 0;
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                                                        Length 184;
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RESULT 15
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                                                                                                                                                                                                                                                                                                       The present invention describes an isolated polynucleotide (I), which is CC overexpressed in haematological malignancies, and which encodes a CC polypeptide or an immunogenic fragment of the polypeptide. Also CC described: (I) an isolated polypeptide; (2) an expression vector CC comprising (I) operably linked to an expression control sequence; (3) a CC host cell comprising an expression vector; (4) an isolated antibody that specifically binds to the polypeptide or its immunogenic fragment; and CC specifically binds to a polypeptide or its immunogenic fragment, encoded by (I). (I) has cytostatic and immunostimulant activities, and can be used in vaccines and immunotherapy. The immunoconjugates are useful in CC the manufacture of a medicament, particularly as active ingredients in a CC composition for treating cancer, e.g. multiple myeloma cell, chronic CC lymphocytic leukaemia, B cell leukaemias, or lymphomas in humans, sheep, CC primates, goats, bovines, equines, porcines, lupines, canines or felines. CC cancer agents, and generating antibodies or immunoconjugates for treating CC concer agents, and generating antibodies or immunoconjugates for treating CC concer agents, and generating antibodies or immunoconjugates. The polymucleotide, crombe used for detecting, diagnosing or CC prognosticating the haematological malignancies described above. The present invention.
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Matches
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Carter L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New hematological malignancy-related genes and polypeptides, useful screening anti-cancer agents, and generating antibodies or immunoconjugates for treating e.g. multiple myeloma cell or chronic
                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 9; SEQ ID NO 4; 307pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human Ly1732P protein SEQ ID NO:4.
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                                     MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVINSVKG
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Mcneill PD;
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ilarity 100.0%;
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                                                                                                                          Score 283; DB 7;
Pred. No. 1.5e-25;
); Mismatches 0;
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                                                                                                                                                                                       Length 184;
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RESULT 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antiinflammatory activity, and may have a use in gene therapy. The methods, BCMA, and antibodies are useful for treating a neurodegenerative immunological disorder such as multiple sclerosis, demyelination or CNS inflammation. The present sequence represents human BCMA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a novel method for treating a neurodegenerative immunological disorder, demyelination or Central Nervous System (CNS) inflammation in a mammal. See the comprises administering B-cell maturation antigen (BCMA). Or an antibody against BCMA or a BCMA ligand (the mammal has or is at risk of developing multiple sclerosis). The method of the invention has neuroprotective, nootropic, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Treating a neurodegenerative immunological disorder, e.g. demyelination or inflammation in a mammal comprises administering a B-cell maturation antigen (BCMA), an antibody against BCMA or a BCMA ligand.
                                                                                          Native human
                                                                                                                                                     06-MAY-2004
                                                                                                                                                                                                                  ADK00756;
                                                                                                                                                                                                                                                                         ADK00756 standard; protein; 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 184 AA;
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N-PSDB; ADG43716.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human B-cell maturation antigen SEQ ID NO:1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (BIOJ ) BIOGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                  Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                  MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Reid H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 283; DB 7;
100.0%; Pred. No. 1.5e-25;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 184;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51
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CAML interactor receptor; TACI; Cytostatic; Antiinflammatory; Dermatological; Immunosuppressive; Antirheumatic; Antiarthritic;

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OS SKW KW KW KW XXX XXX XXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to an isolated monoclonal antibody which binds to a transmembrane activator of and CAML interactor (TACI) receptor. The TACI antibodies are useful for modulating TALL-1 or TACI polypeptide biological activity in mammalian cells, or for diagnosing and treating pathological conditions associated with TMF and TMF receptor-related molecules, e.g. cancer or immune-related disease, such as systemic lupus erythematosus, rheumatoid arthritis, Sjogren's syndrome, systemic vasculitis, diabetes mellitus, Crohn's disease, glomerulonephritis, multiple sclerosis, psoriasis, asthma, urticaria or infection, fungal infection, protozoal infection and parasitic infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antidiabetic; Neuroprotective; Antiasthmatic; Antiallergic; Antibacterial; antiparasitic; systemic lupus erythematosus; diabetes mellitus; AIDS; BCMA.
                                                         neutrokine-alpha; chelator; B-lymphocyte stimulator; BLyS; TALL-1; THANI BAFF; neutrokine-alpha receptor; complex; metal ion; radiotherapy; B-cell mediated disease; non-Hodgkin's lymphoma; chronic lymphocytic leukaemia; multiple myeloma; systemic lymphocytic leukaemia; multiple myeloma; systemic lupus erythematosus; rheumatoid arthritis; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; myasthenia gravis; asthma; cancer; Sjogren's syndrome; diagnostic imaging; lymphocyte;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New anti-TACI receptor monoclonal antibody, useful for diagnosing and treating pathological conditions associated with tumor necrosis factor, e.g. cancer or immune-related disease, such as rheumatoid arthritis or
               Homo sapiens
                                                                                                                                                                                          Neutrokine-alpha,
                                                                                                                                                                                                                          07-OCT-2004
                                                                                                                                                                                                                                                                                         ADQ94442 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chuntharapai A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-JUL-2002; 2002US-0398530P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-JUL-2003; 2003WO-US023421
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present sequence represents native human BCMA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                       μ.
                                                                                                                                                                                                                                                                                                                                                                                                                                       51;
                                               cancerous
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                     MLQMAGQCSQNEYFDS1LHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     184 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
ilarity 100.0%;
Conservative
                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Grewal
                                                                                                                                                                                           BCMA.
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                                                                                                                                                                                                                                                                                       protein;
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                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kim KJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 283; DB 8;
Pred. No. 1.5e-25;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Yan M;
                                               system
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 184;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                           TALL-1; THANK;
                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
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RESULT 19
ADP56014
ID ADP56
XX
AC ADP56
XX
DT 18-NC
XX

ADP56014 standard;

protein; 184

0

18-NOV-2004 ADP56014;

(first entry

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                                                                                                                                                                               CC TALL-1, THANK and BAFF) is capable of binding neutrokine-alpha receptor and is selected from full length or mature neutrokine-alpha procein. The CC protein conjugate of the invention is useful in a complex with a metal CC ion associated with the chelator which is useful for administering administering the complex to the subject, where it is cadministered as an injectable solution, and the subject, where it is cadministered as an injectable solution, and the subject has a B-cell conjugate of the subject has a condition chosen from non-Hodgkin's CC lymphoma, chronic lymphocytic leukaemia, multiple myeloma, systemic lupus carcer, which involves administering it to a subject has a B-cell cancer, which involves administering it to a subject having cancer, where it is carcle of the cancer expresses a neutrokine-alpha receptor on its call of the cancer is a B cell cancer, which is chosen from non-CC Hodgkin's lymphoma, multiple myeloma and chronic lymphocytic leukaemia. The complex is also useful for treating an autoimmune disease or complex is also useful for treating an autoimmune disease or complex is syndrome. The complex may also be used for diagnostic is maging. A composition comprising the protein conjugate or the complex is creptor, which involves contacting the cell bearing aneutrokine-alpha receptor, which involves contacting the cell with the composition to kill the cell in the cell is lymphocyte, B cell or cancerous cell that the tell is lymphocyte, B cell or cancerous cell that the lymphatic system.
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                                                                          Matches
                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence represents neutrokine-alpha, BCMA, which may be used in the protein conjugate of the invention. The neutrokine-alpha protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 9; 228pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Neutrokine-alpha conjugate useful for targeting complexed metal ion to cells expressing receptor (predominantly lymphoid) for radiotherapy treatment of, for example, non-Hodgkin's lymphoma comprises neutrokine-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-DEC-2002; 2002US-0435262P
02-MAY-2003; 2003US-0467198P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15-JUL-2004
                                                                                                                                                     Sequence 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           conjugate comprises neutrokine-alpha protein and chelator, where neutrokine-alpha protein (also known as B-lymphocyte stimulator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENBANK; NM_001192
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-DEC-2003; 2003WO-US040979
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                                                                                              Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ment of, for example, protein and chelator.
                                                                        51;
                                      ۲
                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADQ94441.
                  MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                        Conservative
                                                                                                                                                       AΑ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Yeh
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                                                                                            100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SCI INC
                                                                            0,
                                                                        Score 283; DB 8;
Pred. No. 1.5e-25;
; Mismatches 0;
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                                                                                                            Length 184;
                                                                            Indels
                                                                            0
    51
                                                                          Gaps
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PRO protein sequence SEQ ID NO:1990

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                                                                                                                                                         The present invention describes an isolated PRO nucleic acid (I). Also CC described: (I) a vector comprising (I); (2) a host cell comprising the vector of (I); (3) a process for producing a PRO polypeptides; (4) an CC isolated PRO polypeptide; (5) a chimeric molecule comprising the CC polypeptide of (4) fused to a heterologous amino acid sequence; (6) an antibody which specifically binds to a polypeptide of (4); (7) a CC composition of matter comprising a polypeptide of (4), an agonist or CC polypeptide in combination with a carrier; (8) an article of manufacture comprising a container, a label on the container and a composition of CC mammal; (10) a method for determining the presence of a PRO polypeptide in a sample suspected of having the presence of a PRO polypeptide (11) a method of identifying a compound that inhibits or CC mimics the activity of or expression of a gene encoding a PRO polypeptide (2); and (13) a method of identifying a compound that inhibits or CC mimics the activity of or expression of a gene encoding a PRO polypeptide (2); and (13) a method of stimulating the immune response in a mammal. The RRO sequences have antiallergic, antianemic, antiarthritic, compared to the encoded polypeptides, compositions, kits and methods are useful in diagnosing and treating an immune related disease and in CC stimulating an immune response. The present sequence represents a human CC protein from the present invention.
                                                                        Query Match
Best Local S
Matches 51
                                                                                                                                                       Sequence 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID NO 1990; 3009pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New PRO polynucleotides and polypeptides, useful in useful in diagnosing and treating an immune related disease, e.g. systemic lupus erythematosus, rheumatoid arthritis, diabetes mellitus or asthma and in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N-PSDB; ADP56013
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human; PRO; immune related disease; inflammatory immune response; immune response stimulation; antiallergic; antianaemic; antiarthritic; antiasthmatic; antidiabetic; antiinflammatory; antipsoriatic; antitheumatic; antithyroid; CNS; dermatological; gastrointestinal; haemostatic; hepatotropic; immunostimulant; immunosuppressive; muscular; nephrotropic; neuroprotective; osteopathic; respiratory; vasotropic; immunostimulant; immunosuppressive; muscular; nephrotropic; neuroprotective; osteopathic; respiratory; vasotropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-OCT-2002; 2002US-0422472P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2004-376182/35
                                                                          51;
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Ys t
                                                                                             Similarity
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                    MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
                                                                      nilarity 100.
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               an immune response.
                                                                                                                                                       8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gurney AL,
                                                                                           . 0%;
                                                                          0
                                                                      Score 283; DB 8;
Pred. No. 1.5e-25;
); Mismatches 0;
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                                   5
                                                                      Gaps
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RESULT 21 ADZ67760

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MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG

Matches

Conservative

0

Indels

0 51 51

Gaps

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ARESULT 20
ADMO3432
ID ADMO3432
XX ADMO3432
AC ADMO3432
AC ADMO35
AC ADMO35
AC ADMO35
AC ADMO35
AC ADMO36

                                               Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                        population of cells, the method involves contacting the mixed population of cells with BLyS antagonist (e.g. an immunoadhesin) and a CD20 binding antibody (e.g. hu2H7.v16). The method of the invention is useful for treating B cell malignancies and autoimmune disorders, such as: non-Hodgkin's lymphoma, Hodgkin's disease, follicular center cell lymphomas, lymphocytic leukemia, Hairy cell leukemia, rheumatoid arthritis, systemic lupus erythematosus, Wegener's disease, and the services are the serv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Depleting B cells from a mixed population of cells by contacting cells with a BLyS antagonist and a CD20 binding antibody, useful treating B cell malignancies and autoimmune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chronic lymphocytic leukemia; hairy cell leukemia; rheumatoid arthritis; antiarthritic; antirheumatic; systemic lupus erythematosus; wegener granulomatosis; antiallergic; antiinflammatory; vasotropic; inflammatory bowel disease; gastrointestinal-gen.; inflammatory bowel disease; gastrointestinal-gen.; indipathic thrombocytopenic purpura; hemostatic; multiple sclerosis; asthma; antiasthmatic; psoriasis; antipsoriatic; myasthenia gravis; muscular-gen.; neuroprotective; vasculitis; diabetes; antidiabetic;
                                                                                                                                                                                     Sequence 184
                                                                                                                                                                                                                                                                                                                      idiopathic thrombocytopenic purpura, multiple sclerosis, asthma, psoriasis, IgA nephropathy, myasthenia gravis, vasculitis, diabetes and glomerulonephritis. The present amino acid sequence represents a human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention comprises a method of depleting B cells from a mixed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Fig 2; 114pp; English.
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05-JUN-2003; 2003US-0476481P.
06-JUN-2003; 2003US-0476531P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-JUN-2004;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADW03432 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    non-hodgkin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH )
                                                                                                                                                                                                                                                                               protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2005-058069/06.
DB; ADW03431.
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                                                         Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lymphoma;
                                                                                                                                                                                          AΑ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2004WO-US017693
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                b-cell lymphoma; autoimmune disease; ymphoma; hodgkins disease; cytostatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Martin
                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          184
Score 283; DB 9;
Pred. No. 1.5e-25;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₽
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                                                                                          Length 184;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           immunosuppressive;
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RESULT 22
AEA23348
ID AEA23
XX AEA23
XX AEA23
XC AEA23
XX I1-AU
XX Tumor
XX Tumor
XX Cytos
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                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 51
                                                                                                                                                                                                                                                                                                                                                  The invention provides novel tumor necrosis factor receptor ztnfr14 polynucleotides ADZ67754, expression vectors and antibodies. Ztnfr14 polynucleotides are used in claimed methods for detecting a genetic abnormality in a patient and for detecting a cancer in a patient. Recombinant ztnfr14 polypeptide, optionally conjugated to a coxin, is used in a claimed method of killing cancer cells. Ztnfr14 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides, polynucleotides and antibodies may also be used in methods that modulate tumor growth, metastasis, and immunity such as separating resting from stimulated immune cells. The present sequence is that of human TMPR BCMA. This sequence was compared with that of ztnfr14 in the identification of ztnfr14 as a member of the TNPR family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-JUL-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human tumor necrosis factor receptor BCMA.
cytostatic; gene therapy; therapy; cell growth; protein purification;
                              Tumor antigen of hematopoietic origin TAHO23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 8; 132pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New tumor necrosis factor receptor (TNFR) polypeptides, useful as detecting ligands, and for modulating tumor growth, metastasis and immunity, such as separating resting from stimulated immune cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fox
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-OCT-2003;
18-OCT-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-OCT-2004; 2004WO-US034375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2005037865-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tumor necrosis factor receptor; BCMA; cancer; neoplasm; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADZ67760 standard; protein; 184
                                                             11-AUG-2005
                                                                                                                       AEA23348 standard;
                                                                                                                                                                                                                                                                                                                          Sequence 184 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-APR-2005
                                                                                            AEA23348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ZYMO ) ZYMOGENETICS
                                                                                                                                                                                                                                                               51;
                                                                                                                                                                                                                  1 MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Holloway JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        such as separating resting
                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2003US-0511698P
2004US-0619552P
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                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                       protein; 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        entry)
                                                                                                                                                                                                                                                                              100.0%;
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                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                            Score 283; DB 9; 1
Pred. No. 1.5e-25;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dillon SR;
                                                                                                                                                                                                                                                                                            Length 184;
                                                                                                                                                                                                                                                               0,
                                                                                                                                                                                                     51
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RESULT 23
AEC02031
ID AEC02
XX
AC AEC02
AC AEC02
DT 20-00
XX
DE Amin
XX
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                                                                                                                                                                                                                                                                                                                                                                                                   The invention describes a method of inhibiting the growth of a cell that CC expresses a protein comprising contacting the cell with an antibody, Ci oligopeptide or organic molecule that binds to the protein, the binding CC of the antibody, oligopeptide or organic molecule to the protein and CC causing an inhibition of growth of the cell. Also described is a method CC causing an inhibition of growth of the cell. Also described is a method CC cincreased expression or activity of a protein having at least 80 % amino CC acid sequence identity to: a polypeptide having at least 80 % amino CC companies of (a), lacking its associated signal peptide; an extracellular CC domain of the polypeptide having the amino acid sequence of (a), with or CC without its associated signal peptide; an extracellular CC sequence of (a), 11, 15, 19, 21, 48 and 50; or a polypeptide encoded by any of CC sEQ ID No: 1, 7, 9, 11, 15, 19, 21, 48 and 50; or a polypeptide encoded by the full-length coding region of the nucleotide sequence of (d), CC comprising administering to a subject in need of such treatment an CC call proliferative disorder. Also disclosed are anti-tumor antigens of the invention. The methods and compositions of the present invention are useful for treating hematopoietic and malignant tumors in mammals. This is the anino acid sequence of tumor antigen of hematopoietic origin
                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Inhibiting the growth of a cell that expresses a protein by the cell with anti-tumor antigens of hematopoietic origin (? polypeptide, antibody or organic molecule, useful for treat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Crowley
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-NOV-2003; 2003US-0520842P
24-DEC-2003; 2003US-0532426P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-NOV-2004;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA purification; hyperproliferation; neoplasm; tumor antigen of hematopoietic origin; TAHO23.
                                                      20-OCT-2005
                                                                                       AEC02031;
                                                                                                                                                                                                                                                                                                                                                        Sequence 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 46; 367pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hematopoietic and malignant tumors.
                                                                                                                          AEC02031 standard;
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)B; AEA23347.
                                                                                                                                                                                                                                                                                     51;
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                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                   MLQMAGQCSQNEYFDSLLHACIFCQLRCSSNTFFLTCQRYCNASVTNSVKG
                                                                                                                                                                                                                MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
                                                                                                                                                                                                                                                                                   100.0%; ilarity 100.0%; iConservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Desauvage
                                                                                                                                                                                                                                                                                                                                                          ΑA;
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                                                       (first entry)
                                                                                                                          protein; 184 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ĘJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eaton DL,
                                                                                                                                                                                                                                                                                     Score 283; DB 9;
Pred. No. 1.5e-25;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ebens A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Polson A,
                                                                                                                                                                                                                                                                                                                        Length 184;
                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Smith V;
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                                                                                                                                                                                                                                                                                         Gaps
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Amin acid sequence of a BCMA protein.

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ARESULT 24
AAB60699
ID AAB60
XX AAB60
XX AAB60
XX 11-SE
DT 11-SE
DT 22-MA
XX Mouse
XX Mouse
XX Human
KW immun
KW immun
KW autoi
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Best Local
                                Mus sp.
Chimeric.
                                                                                                                                                                                                                                                                            B-cell maturation inhibitor; immunoglobulin production inhibitor; autoimmune disorder; B-cell lymphoproliferative disorder; hypertension; renal disorder; immunosuppressive disorder; HIV infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer; cytostatic; neoplasm; immunosuppressive; therapeutic; BCMA; B-cell maturation antigen.
                                                                                                                                                      organ transplantation; antiinflammatory; systemic lupus erythematosus; autoimmune haemolytic anaemia; Grave's disease; multiple myeloma; B-cell carcinoma; leukaemia; rapidly progressive glomerulonephritis; lymphoma; gene therapy; cancer; tumour; IgG Fc; fusion construct.
                                                                                                                                                                                                                                                                                                                                                                           Human BAFF-R; BAFF receptor; TNF family; immunoregulatory agent;
immune-related disorder; B-cell growth inhibitor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB60699;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB60699 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 184 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCWA). APRIL and BAFF are tumor necrosis family (TWF) members. The polypeptides of the invention are useful for treating immune-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 20; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-AUG-2004; 2004WO-US025247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       represents a BCMA protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2005-555932/56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-JAN-2004; 2004US-0540271P
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                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       signal/human BAFF-R/human IgG Fc fusion protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               302
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 283; DB 9;
Pred. No. 1.5e-25;
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RESULT 25
AAE00507
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                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to the use of a BAFF receptor (BAFF-R, also known CC as BCMA) protein, or a BAFF-R fusion protein as an agent for the CC treatment of a variety of immune-related disorders. BAFF-R is a member of CC the TWF (thunour necrosis factor) family, acting as an immunoregulatory agent, and also plays a role in the development of hypertension and CC related disorders. BAFF-R, fusion proteins containing it, and BAFF-R, cc specific antibodies can be used for inhibiting B-cell growth, dendritic CC cell-induced B-cell growth and maturation, and immunoglobulin production, and in the treatment of autoimmune disorders, B-cell lymphopproliferative disorders, hypertension and renal disorders. B-cell lymphopproliferative CC infection, and in patients undergoing organ transplantation. The BAFF-R groteins or BAFF-R and BAFF-R proteins may also be used in the treatment of immunosuppressive disorders and HIV CC infection, and in patients undergoing organ transplantation. The BAFF-R cc suppressing or altering an immune response involving a signalling pathway be tween BAFF-R and BAFF-R thereby inhibiting inflammation. Since BAFF-R cc inhibits B-cell growth and maturation it is useful for treating diseases cc such as systemic lupus erythematosus, autoimmune haemolytic anaemia, rapidly grave's disease, multiple myeloma, B-cell carcinomas, leukaemia, rapidly crave's disease, multiple myeloma, B-cell carcinomas, leukaemia, rapidly comparising a mouse lgG-kappa signal sequence, residues 1-153 of human BAFF-R and a human gG-kappa signal sequence, residues 1-153 of human cc standardise of G field)
                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 51
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11-FEB-2000;
18-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Inhibiting dendritic cell-induced B-cell growth, maturation and B-cell lympho-proliferative disorder by administering BAFF-receptor polypeptide, chimeric molecule comprising receptor or anti-BAFF-R antibody homolog.
             Human BCMA-Immunoglobulin G Fc
                                                  11-SEP-2003
31-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                             Sequence 302 AA;
                                                                                                         AAE00507;
                                                                                                                                         AAE00507 standard; protein;
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                                                                                                                                                                                                                                                                                                     100.0%; ilarity 100.0%; Conservative
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2000US-0183536P.
                                                  (revised)
(first entry)
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Pred. No. 2.5e-25;
Mismatches 0;
                region fusion construct
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Human; A Proliferation Inducing Ligand Receptor; APRIL-R; cytostatic; gene therapy; cancer; nephrotropic; renal disorder; autoimmune disease; carcinoma; lung; colon; breast; prostate; Grave's disease; hypertension; systemic lupus erythematosus; SLE; inflammation; cardiovascular disease; B-cell lympho-proliferative disorder; BCM; immunosuppressive disease; organ transplantation; HIV; human immunodeficiency virus; TNF; murine; tumour necrosis factor; B cell maturation protein; BCMA; fusion protein; immunoglobulin G; IgG; Fc region.
                           by APRIL. It is also useful for treating autoimmune diseases (Grave's disease, systemic lupus erythematosus-SLE); hypertension, cardiovascular diseases, renal disorders, B-cell lympho-proliferative disorders, immunosuppressive diseases, organ transplantation, inflammation and human immunodeficiency virus (HIV), and for treating, suppressing or altering an immune response involving a signalling pathway between APRIL-R and its ligand. APRIL-R DNA is also useful in gene therapy. The present sequence is a fusion construct containing human APRIL-R also referred as BCMA or BCM protein, Fc region of human immunoglobulin G (IgG) and a signal sequence from murine Ig kappa cDNA. (Updated on 11-SEP-2003 to
                                                                                                                                                                                                                  Proliferation Inducing Ligand Receptor (APRIL-R) also referred as B cell maturation protein (BCM or BCMA) antagonist that antagonises the interaction between ARISI and its cognate receptor(s). This method is useful for treating undersired cell proliferation such as cancer or carcinoma e.g. human lung carcinoma, colon carcinoma, breast carcinoma, prostate carcinoma, and other carcinomas whose proliferation is modulated prostate carcinoma, and other carcinomas whose proliferation is modulated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Treating a mammal for a condition associated with undesired cell proliferation such as cancer or carcinoma, comprises administering a composition comprising A Proliferation Inducing Ligand Receptor (APRIL-R)
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                                                                                                                                                                                                                                                                                                                                        The invention relates to a method of treating a mammal for a condition associated with undesired cell proliferation such as cancer or carcino The method involves administering a composition comprising A
                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Fig 3B; 85pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-OCT-1999;
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2000US-0215688P
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/note= "Derived from murine Ig kappa sequence"
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/note= "Derived from I
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Sequence 302

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Best Local
                                                The invention relates to a novel method for treating a neurodegenerative immunological disorder, demyelination or Central Nervous System (CNS) inflammation in a mammal. The method comprises administering B-cell maturation antigen (BCMA), or an antibody against BCMA or a BCMA ligand (the mammal has or is at risk of developing multiple sclerosis). The method of the invention has neuroprotective, nootropic, and antiinflammatory activity, and may have a use in gene therapy. The methods, BCMA, and antibodies are useful for treating a neurodegenerative immunological disorder such as multiple sclerosis, demyelination or CNS
                                                                                                                                                                                                       Treating a neurodegenerative immunological disorder, e.g. demyelination or inflammation in a mammal comprises administering a B-cell maturation antigen (BCMA), an antibody against BCMA or a BCMA ligand.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human; neurodegenerative immunological disorder; demyelination; Central Nervous System; CNS; inflammation; B-cell maturation antigen; BCMA; multiple sclerosis; neuroprotective; nootropic; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human B-cell maturation antigen-Fc
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                                                                                                                                                                                Claim 12;
                                                                                                                                                                                                                                                                                                  Kalled SL,
                                                                                                                                                                                                                                                                                                                                                    21-FEB-2002; 2002US-0358427P
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                                       inflammation. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            therapy;
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DB; ADG43718.
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                                                                                                                                                                                Page 70-71; 72pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         'note=
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                                       present sequence is used in the exemplification of the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Murine IgGkappa
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Pred. No. 2.5e-25;
Mismatches 0;
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Length 302;

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RESULT 27
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Best Local
                                       Genoxit activity for preventing or treating obesity. Genoxit is a member of the Tumour Necrosis Factor Receptor Super Family and is a Type III transmembrane protein. The agonists or antagonists of the invention are useful for treating or preventing obesity-related diseases or disorders, e.g. obesity, insulin resistance, atherosclerosis, atheromatous disease, heart disease (e.g. cardiac insufficiency, coronary insufficiency, high blood pressure), hypertension, stroke, syndrome X, diabetes mellitus (type I and II), hyperlipidaemia and hyperuricaemia, also diabetic complications, e.g. microangiopathic lesions, ocular lesions,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Type III transmembrane protein; insulin resistance; atherosclerosis; atheromatous disease; heart disease; hypertension; stroke; syndrome X; diabetes mellitus; hyperlipidaemia; hyperuricaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; genoxit; anorectic; antilipaemic; antiarteriosclerotic; cardiant; antidiabetic; hypotensive; ophthalmological; neuroprotective; nephrotropic; obesity; Tumour Necrosis Factor Receptor Super Family;
                                                                                                                                                                                                     Disclosure; Page 32;
                                                                                                                                                                                                                                               New use of agonist or antagonist of Genoxit activity for preventing treating obesity-related diseases or disorders, e.g. hyperlipidemia
                                                                                                                                                                                                                                                                                                                                                                                             06-AUG-2001; 2001US-0310754P
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                                                                                                                                                                        The present invention relates to the use of an agonist or antagonist of
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Similarity 100.0%; Pred. No. 2.5e-25;
51; Conservative 0; Mismatches 0;
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Matches 50; Conserv
                                                                                                                                                                                                      protein or cellular protein isoforms (II) dependent on heat shock protein (HSP)-90, or selectively treating cells expressing (II) involving administering HSP90-inhibitor. The method is useful for treating genetically-defined disease with chromosomal aberration yielding oncogenic fusion protein, treating cancerous cells containing fusion protein in heterogeneous cell population, treating proliferative disease (e.g. rheumatoid arthritis or cancer) associated with mutant protein or cellular protein isoform dependent on heat shock protein (HSP)-90 (e.g. p53), or selectively treating cells expressing mutant protein or cellular protein isoform in a patient heterozygous for (II). The method is useful for treating a disease e.g. haematopoietic disorder such as T or B cell lymphoma, chronic myeloid leukaemia (CML), APL, AML, NHL, and CMML, lymphoma, chronic myeloid leukaemia (CML), APL, ALL, AML, NHL, and CMML,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Chromosome aberration; oncogenic fusion protein; cancer; proliferative disease; cellular protein isoform; heat shock protein 90; HSP-90; rheumatoid arthritis; cancer; haematopoietric disorder; T cell lymphona; B cell lymphoma; chronic myeloid leukaemia; CML; acute myeloid leukaemia; AML; chronic myelomonocytic leukaemia; CMML; acute lymphoblastic leukaemia; ALL; APL; NHL; solid tumour; papillary thyroid carcinoma; Ewing's sarcoma; melanoma; liposarcoma; rhabdomyosarcoma; synovial sarcoma; viral infection.
                                                                  lymphoma, chronic myeloid leukaemia (CML), APL, ALL, AML, NHL and CMML, or a disease characterised by a solid tumour such as papillary thyroid carcinoma, Ewing's sarcoma, melanoma, liposarcoma, rhabdomyosarcoma and synovial sarcoma. The method is also useful for treating viral infections. This represents a protein encoded by the DNA sequence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating genetically-defined disease associated with chromosomal aberrations yielding oncogenic fusion proteins, e.g. cell proliferative diseases, involves administering an inhibitor of heat shock protein 90.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cell population,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          associated with chromosomal aberrations yielding oncogenic fusion proteins (I), treating cancerous cells containing (I) in a heterogeneous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention describes a method of treating genetically-defined disease
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Specific binding partner for APRIL (G70, a tumour necrosis factor-TNF C family ligand), having the consensus region of TACI, ECMA, or the TACI/C BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI or BCMA. The method is useful for treating B-cell or T-cell and/or BCMA in a mammal which is useful for treating B-cell or T-cell C Imphoproliferative disorders, one or more solid tumours such as lung, CC gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI C diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic CC dermatitis, respiratory allergic disease (asthma, hypersensitivity lung CC (Crohn's disease, colitis), scleroderma, autoimmune disease, colitis), scleroderma, autoimmune disease (multiple CC (Crotn's disease, colitis), systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell macuration protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TNF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Fig 10A;
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14-MAY-2001; 2001US-00214591.
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Pred. No. 2.8e-24;
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protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TWF family ligand), having the consensus region of TACI, BCMA, or the TACI/BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell
                                                                                                                                                                                                                                                                                                                            Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor fan
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27-JUN-2000; 2000US-0214591P
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Matches 48
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The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TNF family ligand), having the consensus region of TACI, BCMA, or the TACI/BCMA extracellular consensus sequence, but not the extracellular region
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                                                                                                                                                                                                                                                                                                                                                  Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
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27-JUN-2000; 2000US-0214591P.
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Pred. No.
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6.8e-24;
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RESULT 32
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Matches 48
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      New polypeptides that inhibit APRIL and/or BAFF binding to BCM for treating immune-related disease, cancer or T-cell mediated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-JAN-2004; 2004US-0540271P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amino acid sequence of a BCMA-Fc fusion protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                          as graft rejection, graft versus host disease (GVHD)
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Pred. No.
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uppressive; therapeutic; BCMA;
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The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents a BCMA-Fc fusion protein, where I22 of BCMA is changed to Lys.

Example 6; SEQ ID NO 31; 140pp; English

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AABISSULT 33
AABISSO1
ID AABISSO1
XX AABISS
XX AABIS
XX Cytos
KW Cytos
KW Lymph
KW Crohn
XX AABIS
XX A
C grotein (BCMA) activity in a mammal. The method comprises administering a specific binding partner for APRIL (G70, a tumour necrosis factor-TNF C family ligand), having the consensus region of TACI, BCMA, or the TACI/CC BCMA extracellular consensus sequence, but not the extracellular region CC of TACI or BCMA. The method is useful for inhibiting activity of TACI C and/or BCMA in a mammal which is useful for treating B-cell or T-cell CC lymphoproliferative disorders, one or more solid tumours such as lung, CC gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI CC antagonists are useful for treating inflammation and immune function CC diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic CC dermatitis, respiratory allergic disease (asthma, hypersensitivity lung CC disease), drug and insect sting allergy, inflammatory bowel disease (multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, CC bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence
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27-JUN-2000;
14-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; lymphoproliferative disorder; disorder; diarrhoea; psoriasis; colitis; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  activator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           relates to a method for inhibiting TACI (transmembrane intracellular CAML interactor) and/or B cell maturation activity in a mammal. The method comprises administering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13; 94pp;
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97.9%;
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Pred. No. 3.
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Query Match
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Matches 40
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Best Local
                                                                                    in a patient. Recombinant ztnfr/4 polypeptide, optionally conjugated to a toxin, is used in a claimed method of killing cancer cells. Ztnfr/4 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides, polynucleotides and antibodies may also be used in methods that modulate tumor growth, metastasis, and immunity such as separating restring from stimulated immune cells. The present sequence is that of the Cys-rich domain of human TWFR BCMA ADZ67760. This sequence was compared with that of ztnfr/4 in the identification of ztnfr/4 as a member of the
                                                                                                                                                                                           The invention provides novel tumor necrosis factor receptor ztnfr14 polynucleotides ADZ67753 and polypeptides ADZ67754, expression vectors and antibodies. Ztnfr14 polynucleotides are used in claimed methods for detecting a genetic abnormality in a patient and for detecting a cancer
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                                                    Sequence
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                                                                                                                                                                                                                                                                                                     detecting
                                                                                                                                                                                                                                                                                                                    New tumor
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18-OCT-2004;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cytostatic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human tumor necrosis
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                                                                              family.
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                                                                                                                                                                                                                                                                                    necrosis factor receptor (TNFR) polypeptides, useful ligands, and for modulating tumor growth, metastasis such as separating resting from stimulated immune ce
                                                    A,
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2004US-0619552P
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100.0%;
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Score 230; DB
;; Pred. No. 6.2
0; Mismatches
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Pred. No.
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Mismatches
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             6.2e-20;
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RESULT 35
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TWF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and
Human BAFF-R; BAFF receptor; TNF family; immunoregulatory agent; immune-related disorder; B-cell growth inhibitor; BCMA; autoimmune inhibitor; immunoglobulin production inhibitor; autoimmune disorder; B-cell lymphoproliferative disorder; hypertension;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 22; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kelley RF,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer; cytostatic; neoplasm; immunosuppressive; therapeutic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amino acid
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                                                                                                                                                          Human BAFF
                                                                                                                                                                                                                                                                                                                                       AAB60700 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     represents an extracellular domain of BCMA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVT 46
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                                                                                                                                                      receptor (BAFF-R) sequence encoded by A plasmid pJST535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ilarity 100.0%;
Conservative
                                                                                                                                                                                                                   (first
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                                                                                                                                                                                                                                                                                                                                    protein;
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                                                                                                                                                                                                                entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 215; DB 9; ; Pred. No. 3.6e-18; 0; Mismatches 0;
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The invention relates to the use of a BAFF receptor (BAFF-R, also known cas BCMA) protein, or a BAFF-R fusion protein as an agent for the CC treatment of a variety of immune-related disorders. BAFF-R is a member of the TNF (tumour necrosis factor) family, acting as an immunoregulatory cagent, and also plays a role in the development of hypertension and compared the treatment of plays a role in the development of hypertension and compared to the treatment of autoimmune disorders because used for inhibiting B-cell growth, dendritic collision and in the treatment of autoimmune disorders. Be-cell growth, dendritive disorders, hypertension and remail disorders. Be-cell growth, dendritive collision, and in patients undergoing organ transplantation. The BAFF-R proteins may also be used in the treatment of immunosuppressive disorders and HIV collisions, and in patients undergoing organ transplantation. The BAFF-R proteins or BAFF-R appecific antibodies may be used for treating.

CC suppressing or altering an immune response involving a signalling pathway between BAFF-R and BAFF, thereby inhibiting inflammation. Since BAFF-R collisions and therefore the suseful for treating diseases such as systemic lupus erythematosus, autoimmune haemolytic anaemia, rapidly grogressive glomerulonephritis, and lymphomas. Nucleic acids encoding human BAFF-R may be used in gene therapy to treat tumours, lymphomas, autoimmune disorders and inherited B-cell carcinomas, leukaemia, rapidly progressive glomerulonephritis, and spansal sequence as encoded by plasmid pJST35. However, this BAFF-R protein sequence as encoded by shorter than that given in AAB60698
                                                                                                                                       Query Match
Best Local S
Matches 41
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11-FEB-2000;
18-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Inhibiting dendritic cell-induced B-cell growth, maturation and B-cell lympho-proliferative disorder by administering BAFF-receptor polypeptide, chimeric molecule comprising receptor or anti-BAFF-R antibody homolog.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (BIOJ )
(APOT-)
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                                                                                                                                                                                                                                                                              Sequence 157 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Fig 3; 59pp; English.
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DB; AAF60000.
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                                                                                                                                                                           Similarity
MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTN 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Browning
                                                                                                                                          Conservative
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2000US-0181684P.
2000US-0183536P.
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                                                                                                                                                                       72.8%;
87.2%;
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                                                                                                                                          0
                                                                                                                                       Score 206; DB 4;
Pred. No. 1.9e-16;
0; Mismatches 0;
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                                                                                                                                                                                                            Length 157;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Schneider
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                                                                                                                                          Gaps
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                                                                                                                                                The invention relates to a method for inhibiting TACI (transmembrane cativator and intracellular CAML interactor) and/or B cell maturation protein (BCMA) activity in a mammal. The method comprises administering a specific binding partner for APRIL (670, a tumour necrosis factor TMF family ligand), having the consensus region of TACI, BCMA, or the TACI/C GROWA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI C lymphoproliferative disorders, one or more solid tumours such as lung, CC gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI C lymphoproliferative disorders, one or more solid tumours such as lung, CC dermatitis, respiratory allergic disease (asthma, hypersensitivity lung CC disease), drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple colorosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer of the manner continuation of the skin or organs. The present sequence
                                                                         Matches
                                                                                        Query Match
Best Local
                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor family
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rheumatoid arthritis; atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human B-cell maturation (BCMA) protein cysteine-rich consensus region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Fig 10A; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-066686/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-MAY-2000;
27-JUN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-MAY-2001; 2001WO-US015567.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200187979-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE15486;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMGE-) AMGEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    transmembrane activator and intracellular CAML interactor; TACI;
                                    æ
                                                                                          Similarity
                   CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                34
CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                             BCMA protein cysteine-rich consensus region
                                                                                                                                                AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2000US-0204039P.
2000US-0214591P.
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                                                                                      71.0%;
                                                                     0,
                                                                     Score 201; DB 5;
Pred. No. 1.5e-16;
0; Mismatches 0;
                                    41
                                                                                                        Length 34;
                                                                         Indels
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RESULT 38

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The invention relates to a novel TALL-1 antagonist protein, comprising a sequence that differs from SEQ ID NO:2, or amino acids 134-285 of SEQ ID CC NO:2, by at least one modification in the region connecting &bgr; strands CC D and E that reduces the biological activity of the TALL-1 antagonist as CC compared to wild-type TALL-1. A protein of the invention has CC immunosuppressive, antirheumatic, antiinflammatory, antiarthritic, CC dermatological, antidiabetic activity. A TALL-1 antagonist may be used in CC nephrotropic, and vasotropic activity. A TALL-1 antagonist may be used in CC a vaccine. A protein of the invention is useful for inhibiting TALL-1 cological activity in a mammal. TC is useful for treating autoimmune CC diseases, rheumatoid arthritis, systemic lupus erythematosue, insulin CC dependent diabetes mellitus, multiple sclerosis, myasthaenia gravis, CC Grave's disease, autoimmune hemolytic anaemia, autoimmune CC disease, autoimmune hemolytic anaemia, autoimmune cc thrombocytopenic purpura, Goodpasture's syndrome, pemphigus vulgaris, CC acute rheumatic fever, post-streptococcal glomerulonephritis and CC polyarteritis nodosa. The present sequence represents a cysteine rich
         Matches
                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-OCT-2001;
14-JAN-2002;
07-FEB-2002;
13-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  myasthaenia gravis; Grave's disease; autoimmune hemolytic anaemia; autoimmune thrombocytopenic purpura; Goodpasture's syndrome; pemphigus vulgaris; acute rheumatic fever; post-streptococcal glomerulonephritis; polyarteritis nodosa; BCMA; CRD; cysteine rich domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel TALL-1 antagonist protein useful for inhibiting TALL-1 biological activity in mammal, has a modification in the region connecting beta strands D and E that reduces the biological activity of TALL-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antiarthritic; dermatological; antidiabetic; neuroprotective; antithyroid; antipyretic; nephrotropic; vasotropic; vaccine; autoimmune disease; rheumatoid arthriti; systemic lupus erythematosus; insulin dependent diabetes mellitus; multiple sclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human BCMA cysteine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                YPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Zhang G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-OCT-2002; 2002WO-US034376
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (NAJE-)
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                                                                                                               (CRD)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antagonist;
                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAT JEWISH MEDICAL &
                                                                            34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; 2001US-0345106P.
; 2002US-0348962P.
; 2002US-0354966P.
; 2002US-0403364P.
       Conservative
                                                                            ΑA;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Page 616; 618pp; English.
                                                                                                               module
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71.0%; 500
100.0%; Pr
                                                                                                               of human BCMA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immunosuppressive; antirheumatic; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rich domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    entry
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                      Score 201;
Pred. No.
         Mismatches
                      1.5e-1
                                          DB 6;
                                         Length 34
       0
       Gaps
         0
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我你可以在我一般再放了了餐子

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RESULT 39
AECO2026
ID AECO2026
XX AECO2
XX AECO2
XX APRIL
KW APRIL
KW CYtos
XX Synth
XX HOLO
DE FORMU
XX APRIL
KW CYTOS
XX SYNTH
XX HOLO
PN WO200
XX U-18-AL
XX HOLO
PF 04-AL
XX HOLO
PT SUCH
PT for t
PT for t
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CC The |
PT SUCH

AECO2027
ID AECO2027
XX AECO202X
AC AECO2
XX AECO2
XX AECO2
XX FORMU
XX FORMU
XX APRII
KW APRII
KW APRII
KW APRIH
KW APRIH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVID) and inflammation. The present sequence represents a polypeptide of the invention, derived from formula II (see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer; cytostatic; neoplasm; immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 13; SEQ ID NO 15; 140pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2005-555932/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kelley RF, Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-JAN-2004; 2004US-0540271P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-OCT-2005
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                                                          cytostatic; neoplasm; immunosuppressive; therapeutic.
                                                                                              APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                                                                         Formula II derived polypeptide F that binds BAFF.
                                                                                                                                                                                                                          20-OCT-2005
                                                                                                                                                                                                                                                                                                                                               AEC02027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AEC02021), that that bind BAFF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-AUG-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                                                                                                                                                                                                                                               standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CSQNEFFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                            peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        69.6%;
97.1%;
                                                                                                                                                                                                                                                                                                                                               34
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Pred. No. 4.5e-16;
Pred. No. 4.5e-16;
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RESULT 41

AEC02028

ID AEC02028

AC AEC02

XX AEC02

XX APRII

KW APRII

KW Cytos

XX Synth

XX O4-AI

PF 04-AI

XX X (GET)

XX X

XX X

XX WPI;

XX WPI;
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents a polypeptide of the invention, derived from formula II (see AEC02021), that that bind BAFF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation.
                                                                                                                                                                                                                                                      cytostatic; neoplasm; immunosuppressive; therapeutic
                                                                                                                                                                                                                                                                      APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                                                                                                                                                                                                                                                  20-OCT-2005
                                                                                                                                                                                                                                                                                                                                                                AEC02028;
                                                                                                                                                                                                                                                                                                                                                                                         AEC02028 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 13; SEQ ID NO 16; 140pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kelley RF, Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-JAN-2004; 2004US-0540271P.
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                                             Kelley RF,
                                                                                                       29-JAN-2004; 2004US-0540271P.
                                                                                                                                    04-AUG-2004; 2004WO-US025247.
                                                                                                                                                                  18-AUG-2005
                                                                                                                                                                                              WO2005075511-A1
                                                                                                                                                                                                                                                                                                   Formula II derived polypeptide G that binds BAFF
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                                                                         (GETH ) GENENTECH INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                             Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              69.3%;
97.1%;
                                                                                                                                                                                                                                                                                                                                                                                            3
4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 196; DB 9; 1
Pred. No. 5.9e-16;
0; Mismatches 1;
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WPI; 2005-555932/56

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RESULT 42
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The specification describes polypeptides that bind APRIL or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 13; SEQ ID NO 17; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                         Claim 7;
                                                                                                                                                                                                                                               New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-JAN-2004; 2004US-0540271P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-AUG-2004; 2004WO-US025247
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2005075511-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Formula I derived polypeptide F that binds APRIL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AEC02017
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                                                                                                                                                                                                                                  inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                   (GETH ) GENENTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local
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                                                                                                                                                                                                                                                                                                                                                                             RF.
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                                                                                                                                                                                       SEQ ID NO 6; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSQNEYFDSLLHACIPCQLYCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AA
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                                                                                                                                                                                                                                                                                                                                                                           Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 neoplasm;
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97.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              immunosuppressive; therapeutic
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Pred. No. le-15;
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RESULT 43
AEC0205
ID AEC020
XX AEC020
AC AEC02
AC AEC02
AC AEC02
AC APRIL
KW Cytos
XX APRIL
KW Cytos
XX WO200
XX Holie
XX WO14-AU
XX APRIL
KW Cytos
XX WO200
XX WO200
XX WO200
XX Holie
XX WPI;
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CC Dolyp
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XX Seque
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Best Local S
Matches 33
                                                           Matches
                                                                                         Query Match
                                                                                                                                                                                   The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA), APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 represents polypeptide of the invention that binds \mathtt{APRIL}, \mathtt{ABCO2012}.
                                                                                                                          Sequence 34
                                                                                                                                                      represents a polypeptide of the invention, derived from formula ABC02021), that that bind BAFF.
                                                                                                                                                                                                                                                                                                                                Claim 13; SEQ ID NO 14; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                             New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, for treating immune-related disease, cancer or T-cell mediated d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kelley RF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-JAN-2004; 2004US-0540271P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APRIL; BAFF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Formula
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                                                                            Local
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                                                                                                                                                                                                                                                                                                                                                                            graft rejection, graft versus host disease (GVHD)
                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              II derived polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                             CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CSQNEYFDSLLHACKPCQLRCSSNTPPLTCQRYC
CSQNESFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Patel D;
                                                                                                                          A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; immune disorder; immunomodulator; antiinflammatory; cancer; neoplasm; immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AA,
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                                                           Conservative
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                                                                        67.8%;
97.1%;
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Pred.
                                                                        Score 192; DB 9;
Pred. No. 1.8e-15;
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                                                           Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     194; DB 9
No. 1e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BAFF
                            41
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34
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                                                                                           Length 34;
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                                                             Indels
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                                                                                                                                                                                                                                                                                                                                                                                               mediated disease
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                                                           Gaps
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RESULT 44

AEC02024 standard; peptide;

34

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AEC02024

III AECO
XX AECO
XX AECO
XX APR.
XX 
RESULT 45
AEC02020
ID AEC02
XX AEC02
XX AEC02
XX DT 20-OC
XX POIMU
XX APRIL
KW CYtOS
XX APRIL
KW CYTOS
XX YX WO200
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Best Local S
Matches 33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 13; SEQ ID NO 13; 140pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, for treating immune-related disease, cancer or T-cell mediated d such as graft rejection, graft versus host disease (GVHD) and
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WO2005075511-A1
                                                                                                                                                       APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                                                                                                                                  Formula I derived polypeptide I that binds APRIL.
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                                                                                                                                                                                                                                                                                                                                               AEC02020
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-OCT-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
33; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSQNEAFDSLLHACIPCQLRCSSNTPPLTCQRYC 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patel D;
                                                                                                                         neoplasm; immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         67.8%;
97.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 192; DB 9;
Pred. No. 1.8e-15;
0; Mismatches 1
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RESULT 46
ABC02018
ID ABC022
XX AEC02
XX AEC02
XX Z0-OC
XX APRIL
XW CYTOS
XX CYTOS
XX SYNTH
XX W0200
PM W0200
PM 18-AU
XX 29-J#
XX GETH
XX WPI;
PT New I
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Best Local Similarity
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New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 34 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-AUG-2004; 2004WO-US025247.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-AUG-2005
                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                    APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer; cytostatic; neoplasm; immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                               AEC02018;
                                                                                                                                                                                                                                                                                                                                                                                                                                             AEC02018 standard; peptide; 34 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 7; SEQ ID NO 9; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, for treating immune-related disease, cancer or T-cell mediated d such as graft rejection, graft versus host disease (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-JAN-2004; 2004US-0540271P
                                                                                                                                                                        04-AUG-2004; 2004WO-US025247.
                                                                                                                                                                                                                                       WO2005075511-A1
                                                                                                                                                                                                                                                                                                                                                  Formula I derived polypeptide G that binds APRIL
                                                                                                                                                                                                                                                                                                                                                                                20-OCT-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kelley RF, Patel D;
                                                                               Kelley RF,
                                                                                                             (GETH ) GENENTECH INC
                                                                                                                                          29-JAN-2004; 2004US-0540271P
                                                                                                                                                                                                         18-AUG-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC
                                                 2005-555932/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2005-555932/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CSQNEYFDSLVHACKPCQLRCSSNTPPLTCQRYC
                                                                               Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       67.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 191; DB 9;
Pred. No. 2.3e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0,
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graft

rejection,

graft versus host disease (GVHD) and

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RESULT 47
AECO2209
ID AECO22
XX AECO2
XX AECO2
XX APRILL
KW APRILL
KW Cytos
XX Synth
PN WO200
XX WO200
XX WO210
XX WO211
XX WO211
XX WPI;
XX WPI;
XX WPI;
XX WPI;
XX CETH
XX CET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FFXSXDDDDDDDDXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The specification describes polypeptides that bind APRIL or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHH) and inflammation. The present sequence represents polypeptide of the invention that binds APRIL, derived from
The specification describes polypeptides that bind April or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BCMA). APRIL and BAFF are tumor necrosis family (TNF) members. The polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systemic lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents a polypeptide of the invention, derived from formula II (see AEC02021), that that bind BAFF.
                                                                                                                                                                                                                                                                                                                                                                                              such as graft inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptides that inhibit APRIL and/or BAFF binding to BCMA, useful for treating immune-related disease, cancer or T-cell mediated disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 7; SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    such as graf
inflammation
                                                                                                                                                                                                                                                                                                                                   Claim 13; SEQ ID NO 18; 140pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2005-555932/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-JAN-2004; 2004US-0540271P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-AUG-2004; 2004WO-US025247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-AUG-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2005075511-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APRIL; BAFF; immune disorder; immunomodulator; antiinflammatory; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Formula II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-OCT-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AEC02029 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                      as graft rejection, graft versus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         32;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CSQNEYFOSLLHACKPCDLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      neoplasm;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NO 7; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 66.8%;
94.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <u>ب</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
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Pred. No. 4e-15;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             that
                                                                                                                                                                                                                                                                                                                                                                                                                            host disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             binds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BAFF
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                                                                                                                                                                                                                                                                                                                                                                                                                            (GVHD) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0,
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RESULT 49
AAB08844
ID AAB08

AAB08844 standard; peptide; 185

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CSQNEYFDSLLHACKPCDLYCSSNTPPLTCQRYC

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ARESULT 48
AREC2019
ID AREC22
XX APRIL
KW CYCOS
XX APRIL
KW CYCOS
XX WO200
XX The SCC Galwas
CC Galyp
CC Galcar
XX The SCC Galcar
XX The S
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                                                                                                      Matches
                                                                                                                         Query Match
Best Local
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Best Local
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                                                                                                                                                                                                                                                     lupus erythematosus; cancer such as leukemia, lymphoma, or multiple scleroma; or T-cell mediated disease such as graft rejection, graft versus host disease (GVHD) and inflammation. The present sequence represents polypeptide of the invention that binds APRIL, derived from AEC02012.
                                                                                                                                                                                                     Sequence 34
                                                                                                                                                                                                                                                                                                                                                                                                                                  The specification describes polypeptides that bind APRIL or BAFF. The polypeptides inhibit APRIL or BAFF binding to B-cell maturation antigen (BUMA). APRIL and BAFF are tumor necrosis family (TNF) members. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kelley RF, Patel D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AEC02019;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 34
                                                                                                                                                                                                                                                                                                                                                                               polypeptides of the invention are useful for treating immune-related diseases, such as rheumatoid arthritis, multiple sclerosis, and systematics.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 7; SEQ ID NO 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-JAN-2004; 2004US-0540271P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-AUG-2004; 2004WO-US025247
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APRIL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Formula I derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-OCT-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AEC02019 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            polypeptides that inhibit APRIL and/or BAFF binding to BCMA, treating immune-related disease, cancer or T-cell mediated of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    as graft rejection,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2005-555932/56.
                                                                                                   31;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BAFF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           μ.
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                                                                                                                            Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                             CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CSQNEYFDSLLHACIPCDLYCSSNTPPLTCQRYC
                                                                                                                                                                                                       AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       neoplasm;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A
                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  immune disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  66.8%;
                                                                                                                         64.3%;
91.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        140pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immunosuppressive; therapeutic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    graft versus host disease (GVHD) and
                                                                                                 0
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                                                                                                 Score 182; DB 9;
Pred. No. 2.7e-14;
0; Mismatches 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 189; DB 9
Pred. No. 4e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immunomodulator; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     H that binds
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APRIL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         34
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                                                                                                                                                 Length
                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
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                                                                                                 Gaps
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02-JAN-2001 (first entry)

AAB08844;

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RESULT 50
AAY71980
ID AAY71
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AC AAY71
XX
DT 28-MP
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                                                                                                                                                                                                                                                   The present sequence represents a BCMA (not defined) polypeptide. BCMA is CC a necrosis factor (NF)-kB activator. The method of the invention is used CC to identify compounds which modulate BCMA activity (and thus NF-kB CC activity). The specification describes a method of identifying a CC involves contacting a library of with a cell which expresses a cC recombinant anti-cell death gene and a reporter gene operably linked to CC the promoter, and then determining whether the expression of the reporter CC gene is altered as a result of contact with library. The method is useful CC for identifying polypeptides which increase or decrease gene expression CC preparing a pharmaceutical composition for treating cancer, apoptosis, CC viral infections, inflammatory response, such as rheumatoid arthritis, CC inflammatory bowel disease or septic shock. BCMA is useful for CC descripting compounds that modulate NF-kB expression and thus for drug
                                                                                                                                                                                          Matches
                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Identifying a modulator of gene expression for drug designing, by contacting a compound library with a cell expressing an anti-cell death gene and reporter gene, and determining alteration in reporter gene
28-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 32; Fig
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BCMA; necrosis factor-kB activator; NF-kB; gene expression; cancer; anti-cell death gene; apoptosis; viral infection; inflammatory response; rheumatoid arthritis; inflammatory bowel disease; septic shock.
                                                         AAY71980 standard;
                                                                                                                                                                                                                                                   Sequence 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amino acid sequence of murine BCMA polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GEHO ) GEN HOSPITAL CORP
                                                                                                                                                                                                          Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2000-558405/51
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                                                                                                                               34;
                                                                                                                                                                                                        Similarity
                                                                                                                                                                                          Conservative
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(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7B; 53pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99US-0121485P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers 47. .72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note=
                                                         protein;
                                                                                                                                                                                                      64.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "putative transmembrane domain'
                                                           185
                                                                                                                                                                                        4.
                                                                                                                                                                                                      Score 181; DB 3;
Pred. No. 2.1e-13;
                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                      DB 3; Length 185;
                                                                                                                                                                                          Indels
                                                                                                                                                                                          2;
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RESULT 51
AAE15490
ID AAE15
XX
AC AAE15
XX
DT 12-MI
XX
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                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to Tumour necrosis factor (TNF) and Apolic CC related Leucocyte expressed Ligand 1 (FALL-1) nucleic acid molecules, proteins (including homologues), and their antibodies. The invention in CC particular relates to methods for regulating the interaction between TALL C-1 and TALL-1 receptors (BCMA referred as B cell maturation factor) to CC regulate monocyte, macrophage and B lymphocyte mediated immune responses. CC TALL-1 protein is useful for identifying compounds that regulate B C lymphocyte proliferation. It is also useful for treating B lymphocyte associated autoimmune disorders like rheumatoid arthritis, systemic lupus CC associated autoimmune disorders like rheumatoid arthritis, systemic lupus CC erythematosus (SLE), insulin dependent diabetes mellitus, multiple CC sclerosis, myasthenia gravis, Grave's disease, autoimmune haemolytic canaemia, autoimmune thrombocytopenia purpura, Goodpasture's syndrome, CC glomerulonephritis, or polyaretritis nodosa. The TALL-1 protein and its C corresponding nucleic acid sequence are also useful in diagnostic assays. The present sequence is a murine B cell maturation factor (BCMA). BCMA is C c the receptor for TALL-1 protein
                                                                                                                                                                                                                                                                             Query Match

Best Local Similarity

Matches 34; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Murinė; Tumour Necrosis Factor; TNF; immunosuppressant; TALL-1; Tumour necrosis factor and ApoL-related Leucocyte expressed Ligand 1; Tumour necrosis factor and ApoL-related Leucocyte expressed Ligand 1; therapy; autoimmune disorder; rheumatoid arthritis, multiple sclerosis; systemic lupus erythematosus; SLE; insulin dependent diabetes mellitus;
                                                                                                                                                                                                                                                                                                                                                          Sequence 185 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Isolated TALL-1 protein is used to identify compounds that regulate B lymphocyte proliferation, used to treat B lymphocyte associated autoimmune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-MAY-1999;
01-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Murine B cell maturation factor
                                                            AAE15490;
                                                                                                  AAE15490 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 37; Page 107-108; 112pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N-PSDB; AAD02130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Shu HS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-MAY-2000; 2000WO-US012266
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 post-streptococcal glomerulonephritis; polyarteritis nodosa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  thrombocytopenia purpura; acute rheumatic fever; Goodpasture's syndrome; haemolytic anaemia; Grave's disease; myasthenia gravis; BCMA; B cell maturation factor; pemphigus vulgaris; B-lymphocyte proliferation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200068378-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NAJE-) NAT JEWISH MEDICAL & RES CENT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2001-016094/02.
                                                                                                                                                                                             MAQQCFHSEYFDSLLHACKPCHLRCSN--PPATCQPYCDPSVTSSVKG
                                                                                                                                                                                                                      MAGQCSQNEYFDSLLHACIFCQLRCSSNTPFLTCQRYCNASVTNSVKG
                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2000US-0201012P
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                                                                                               protein; 185 AA
                                                                                                                                                                                                                                                                                             64.0%;
70.8%;
                                                                                                                                                                                                                                                                        Score 181; DB 4;
Pred. No. 2.1e-13;
4; Mismatches 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (BCMA) protein.
                                                                                                                                                                                                                                                                               æ
-:
                                                                                                                                                                                                                                                                                                                  Length 185;
                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                       51
                                                                                                                                                                                                                                                                               2;
                                                                                                                                                                                                                                                                               Gaps
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12-MAR-2002

(first entry)

Mouse

w

cell

maturation

(BCMA) protein.

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RESULT 52
ADZ67762
ID ADZ67
XX
AC ADZ67
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                                                                                                                                                                                                                                                                                                                                           C protein (BCMA) activity in a mammal. The method comprises administering a consecrific binding partner for APRIL (670, a tumour necrosis factor-TNF family ligand), having the consensus region of TACI, BCMA, or the TACI/C BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell C Imphoproliferative disorders, one or more solid tumours such as lung, C gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI c anteagonists are useful for treating inflammation and immune function c diseases such as diarrhoea, psociasis, allergies, pneumonia, atopic C dermatitis, respiratory allergic disease (asthma, hypersensitivity lung CC disease), drug and insect sting allergy, inflammatory bowel disease (acthma; disease (crohn's disease, colitis), scleroderma, autoimmune disease (multiple CC sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence
                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                        Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          drug allergy; dermatitis; namune disorder; diarrhoea; psoriasis; colitis; colitis; crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer; rheumatoid arthritis; atherosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-MAY-2000;
27-JUN-2000;
14-MAY-2001;
                 ADZ67762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mus
                                                      ADZ67762 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200187979-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;
                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    activator and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Fig 11; 94pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               administering a binding partner for APRIL, a tumor necrosis factor family
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-066686/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-MAY-2001; 2001WO-US015567.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMGE-) AMGEN INC.
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                                                                                                                                                                                    4
                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                               185 AA;
                                                                                                                                                                                                                                                                                                                                BCMA protein
                                                                                                                                                 MAQQCFHSEYFDSLLHACKPCHLRCSN--PPATCQPYCDPSVTSSVKG
                                                                                                                                                                              MAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG
                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2000US-0204039P.
2000US-0214591P.
2001US-00214591.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               relates to a method for inhibiting TACI (transmembrane intracellular CAML interactor) and/or B cell maturation activity in a mammal. The method comprises administering
                                                    protein;
                                                                                                                                                                                                                                       64.0%;
70.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        activator and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           English
                                                      185
                                                                                                                                                                                                                       4.
                                                                                                                                                                                                                     Score 181; DB 5;
Pred. No. 2.1e-13;
4; Mismatches 8
                                                      AA
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                                                                                                                                                                                                                                                        Length 185;
                                                                                                                                                                                                                       Indels
                                                                                                                                                 46
                                                                                                                                                                                  51
                                                                                                                                                                                                                       2
                                                                                                                                                                                                                     Gaps
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AAE15489
ID AAE1
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                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polynucleotides ADZ67753 and polypeptides ADZ67754, expression vectors and antibodies. Human ztnfr14 polynucleotides are used in claimed methods for detecting a genetic abnormality in a patient and for detecting a cancer in a patient. Recombinant ztnfr14 polypeptide, optionally conjugated to a toxin, is used in a claimed method of killing cancer cells. Ztnfr14 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides, polynucleotides and antibodies may also be used in methods that modulate tumor growth, metastasis, and immunity such as separating resting from stimulated immune cells. The present sequence is that of murine ztnfr14 ADZ67756 in the identification of ztnfr14 as a member of
drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrheea; psoriasis; colitis;
                                                                                                                                                                                                                     AAE15489;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 185 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mouse tumor
                                                                                                  Human; transmembrane activator and intracellular CAML interactor;
                                                                                                                                   Mouse BCMA-human immunoglobulin Fc region fusion protein.
                                                                                                                                                                    29-AUG-2003
12-MAR-2002
                                                                                                                                                                                                                                                    AAE15489 standard; protein; 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention provides novel tumor necrosis factor receptor ztnfr14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New tumor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fox BA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-OCT-2003; 2003US-0511698P
18-OCT-2004; 2004US-0619552P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tumor necrosis factor receptor; BCMA; cancer; neoplasm; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JUL-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ( OMYZ)
                                                                                                                                                                                                                                                                                                                                                                                                                     Local
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                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Holloway JL,
                                                                                                                                                                                                                                                                                                                                   MAQQCFHSEYFDSLLHACKPCHLRCSN--PPATCQPYCDPSVTSSVKG
                                                                                                                                                                                                                                                                                                                                                                    MAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 necrosis factor receptor (TNFR) polypeptides, useful as ligands, and for modulating tumor growth, metastasis and such as separating resting from stimulated immune cells.
                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                  (revised)
(first en
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                                                                                                                                                                    entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INC
                                                                                                                                                                                                                                                                                                                                                                                                                 64.0%;
70.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    factor receptor BCMA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sheppard PO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    132pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                    4.
                                                                                                                                                                                                                                                                                                                                                                                                    Score 181; DB 9;
Pred. No. 2.1e-13;
4; Mismatches 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 185;
                                                                                                                                                                                                                                                                                                                                     46
                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                       TACI;
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rheumatoid arthritis; atherosclerosis; fusion protein; mouse.

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RESULT 54
ABJ38417
ID ABJ38
XX
XX
AC ABJ38
XX
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                  lymphoproliferative disorders, one or more solid tumours such as lung, gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI antagonists are useful for treating inflammation and immune function diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic dermatitis, respiratory allergic disease (asthma, hypersensitivity lung disease), drug and insect string allergy; inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (unltiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence is mouse BCMA protein-human immunoglobulin Fc region fusion protein. (Updated on 29-AUG-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (670, a tumour necrosis factor TNF family ligand), having the consensus region of TACI, BCMA, or the TACI/BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell and/or BCMA in a mammal which is useful for treating B-cell or T-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation protein (BCMA) activity in a mammal. The method comprises administering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor family
                                                                                                                                                               ABJ38417 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Fig 10B; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-MAY-2000; 2000US-0204039P
27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
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 TALL-1-binding systemic lupus
                                                       TALL-1 related
                                                                                           12-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Theill LE,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ligand
                                                                                                                                                                                                                                                                                                                               34;
                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                             MAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
                                                                                                                                                                                                                                                                                                                                                                                                     281
                                                                                                                                                                                                                                                        MAQQCFHSEYFDSLLHACKPCHLRCSN--PPATCQPYCDPSVTSSVKG 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Yu G;
                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                     A,
                                                                                       (first
 protein; TALL-1; B-cell-mediated autoimmune disease;
erythematosus; B-cell-mediated cancer; lymphoma;
                                                     protein
                                                                                                                                                             protein;
                                                                                         entry)
                                                                                                                                                                                                                                                                                                                                                64.0%;
70.8%;
                                                     SEQ ID
                                                                                                                                                                 42
                                                                                                                                                                                                                                                                                                                             4
                                                                                                                                                                                                                                                                                                                                                Score 181; DB 5;
Pred. No. 3.3e-13;
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                                                                                                                                                                                                                                                                                                                               Mismatches
                                                       197.
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                                                                                                                                                                                                                                                                                                                                                               Length 281;
                                                                                                                                                                                                                                                                                                                               Indels
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RESULT 55
ADI53060
ID ADI53
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        defined sequence in the specification. The composition is useful in modulating the activity of TALL-1, and in treating, preventing, ameliorating, diagnosing or prognosing a B-cell-mediated autoimmune disease (e.g. systemic lupus erythematosus) or B-cell-mediated cancer or lymphoma. The composition may also be used in treating inflammations (e.g. rheumatoid arthritis), acute pancreatitis, Alzheimer's disease, asthma, atherosclerosis, cachexia, cirrhosis, diabetes, asthma, atherosclerosis, cachexia, cirrhosis, diabetes, glomerulonephritis, Hashimoto's thyroiditis, ischaemic injury, multiple myeloma, multiple sclerosis, osteoporosis, Parkinson's disease, psoriasis and vasculitis. Disorders may be treated with the novel composition using gene therapy. This sequence represents a TALL-1 related protein of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New TALL-1-binding polypeptide, useful for modulating the activity TALL-1 and in treating, preventing or diagnosing a B-cell-mediated autoimmune diseases, cancers or lymphomas.
                                                                                                                                                      antirheumatic; antiarthritic; neuroprotective; antiinflammatory; antidiabetic; dermatological; antiasthmatic; neutrokine-alpha; crystallography; cancer; allergic disorder; autoimmune disease; rheumatoid arthritis; multiple sclerosis; Crohn's disease; diabetes;
                                                                                                                                                                                                                                                                                                                                                  Human BCMA receptor binding site.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 26; 236pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADI53060;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADI53060 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11-MAY-2001; 2001US-0290196P
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                                                                                                                               systemic lupus
                                                                                                                                                                                                                                                                                      protein co-ordinate data; cytostatic; antiallergic; immunosuppressive;
                                                                                                                                                                                                                                                                                                                                                                                                                22-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMGE-) AMGEN INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 MLQMAGQCSQNEYFDSLLHACIPCQLRC 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MLQMAGQCSQNEYFDSLLHACIPCQLRC 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      55.8%; Scilarity 100.0%; E Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                             (first
                                                                                                                               erythematosus; asthma; receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to a novel TALL-1-binding polypeptide comprising he specification. The composition is useful in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Score 158; DB
%; Pred. No. 2.5
0; Mismatches
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2.5e-11;
0;
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Best Local
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                                                                                                                                                                           Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TMF; lymphoproliferative disorder; tumour; lung; gastrointestinal; panoreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autcimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New crystalline Neutrokine-alpha protein, useful for designing compounds that bind, inhibit or mimic a Neutrokine-alpha protein or enhance the activity of a Neutrokine-alpha protein for treating e.g. cancer or allergic disorders.
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14-MAY-2001; 2001WO-US015567.
                                                                                                                                                                                                                                                                                                             Human-murine
                                                                                                                                                                                                                                                                                                                                             29-AUG-2003
12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
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                                 22-NOV-2001
                                                                WO200187979-A2
                                                                                                                 SUM
                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                         AAE15491 standard; protein; 117 AA
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                                                                                                                                                             rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EYFDSLLHACIPCQLRCSSNTPPLTC 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EYFDSLIHACIPCOLRCSSNTPPLTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26 AA;
                                                                                                                                                             arthritis; atherosclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                           B cell maturation protein (BCMA) consensus sequence
                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                            (revised)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   53.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 151; DB 7;
Pred. No. 1e-10;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26
                                                                                                                                                               mouse
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                              Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor fan
                                                                                         drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease;
Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis;
human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                               Human-murine
                                                                                                                                                                                                                                                                                 29-AUG-2003
12-MAR-2002
                                                                                                                                                                                                                                                                                                                                           AAE15492;
                                                                                                                                                                                                                                                                                                                                                                              AAE15492 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 117
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27-JUN-2000;
                                                                       rheumatoid arthritis; atherosclerosis; mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             activator
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AQCEYFOSLLHAC-PC-LRCS----PPTCQ-YC--SVT-SVKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKG 51
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2000US-0214591P.
                                                                                                                                                                                                                                             BCMA consensus sequence cysteine rich region.
                                                                                                                                                                                                                                                                                 (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 relates to a method for inhibiting TACI (transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             intracellular CAML interactor) and/or B cell maturation
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G
                                                                                                                                                                                                                                                                                                                                                                            peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     36.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 104; DB 5;
Pred. No. 0.0002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 117;
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                                                                                                                                bowel disease;
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Homo sapiens

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RESULT 58
AAY94006
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and/or BCMA in a mammal which is useful for treating B-cell or T-cell lymphoproliferative disorders, one or more solid tumours such as lung, gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI antagonists are useful for treating inflammation and immune function diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic dermatitis, respiratory allergic disease (asthma, hypersensitivity lung disease), drug and insect sting allergy; inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence is human-murine B cell maturation protein (BCMA) consensus sequence cysteine rich region. (Updated on 29-AUG-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TNF family ligand), having the consensus region of TACI, BCMA, or the TACI/BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI or BCMA.
ztnf4 activity; antibody production; autoimmune disease; amyloidosis; systemic lupus erychematosus; myasthenia gravis; multiple sclerosis; rheumatoid arthritis; asthma; bronchitis; emphysema; pyelonephritis; end stage renal failure; glomerulonephritis; vasculitis; nephritis; renal neoplasm; multiple myeloma; lymphoma; light chain neuropathy;
                                                                                              Human; BR43x2; TACI receptor; extracellular domain; BCMA; B cell protein; transmembrane activator and CAML interactor; tumour necrosis factor; TNF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor fa
                                                                                                                                                          A murine ztnf4, a tumour necrosis factor ligand
                                                                                                                                                                                                 20-OCT-2000
                                                                                                                                                                                                                                        AAY94006
                                                                                                                                                                                                                                                                           AAY94006 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Fig 11; 94pp; English.
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27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-MAY-2001; 2001WO-US015567
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                                                                                                                                                                                                                                                                                                                                                                            EYFDSLLHAC-PC-LRCS----PPTCQ-YC
                                                                                                                                                                                                                                                                                                                                                                                                                   EYFDSLLHACIPCQLRCSSNTPPLTCQRYC 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Yu G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                           protein; 249
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73.3%;
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Pred. No. 0.0015;
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                                                                                                                                                                                                                         RESULT 59
                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local S
Matches 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence represents murine ztnf4, a tumour necrosis factor ligand. The extracellular domains of BR43x2 (an isoform of the transmembrane activator and CAML-interactor (TACI) receptor), TACI or BCMA (a related B cell protein) contain a cysteine rich domain, and are used for inhibiting ztnf4 activity. They may also be used for inhibiting R43x2, TACI or BCMA receptor-ligand engagement associated with activated or resting B lymphocytes, effector T-cells, or with antibody production. The antibody production is associated with an autoimmune disease selected from systemic lupus erythematosus, myasthenia gravis, multiple sclerosis and rheumatoid arthritis. The ztnf4 activity and BR43x2, TACI or BCMA receptor-ligand engagement is associated with asthma, bronchitis, emphysema, end stage renal failure, glomerulonephritis, vasculitis, emphysema, end stage renal failure, multiple myelomas, lymphomas, light chain neuronathy amyloidosis moderating impune response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                immune response; immunosuppression; graft rejection; joint pain; graft versus host disease; inflammation; swelling; anaemia; septic insulin dependent diabetes mellitus; Crohn's disease; hypertension; renal artery stenosis; occlusion; cholesterol; renal emboli.
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 249 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     light chain neuropathy, amyloidosis, moderating immune response, immunosuppression, graft rejection, graft versus host disease, inflammation, insulin dependent diabetes mellitus, Crohn's disea pain, swelling, anaemia, or septic shock. BR43x2, TACI, and BCMA polypeptides, fusions, antibodies, agonists or antagonists can be
                                                                    Mouse protein sequence mCP1369.
                                                                                                           18-NOV-2004
                                                                                                                                                ABM85744;
                                                                                                                                                                                    ABM85744 standard; protein; 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Inhibiting ztnf4 activity in a mammal, to treat autoimmune diseases, renal disease, graft versus host disease, and inflammation, comprises administering a BR43x2, TACI or BCMA extracellular domain polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N-PSDB; AAA58566
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polypeptides, fusions, antibodies, agonists or antagonists can be used t
treat hypertension, renal artery stenosis, or occlusion, and cholesterol
or renal emboli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 163; 175pp; English.
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                                                                                                                                                                                                                                                                                                                                                  12;
                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                              CPKDQYWDSSRKSCVSCALTCSQRS-QRTCTDFC
                                                                                                                                                                                                                                                                                                                   CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Xu W, Madden K,
                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                        25.3%;
35.3%;
                                   lymphoma;
                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                        Score 71.5;
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Yee DP
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                                                                                                                                                                                     ₽
                                     cancer; murine
                                                                                                                                                                                                                                                                                                                                                                                         DB 3;
                                                                                                                                                                                                                                                                                                                   41
                                                                                                                                                                                                                                                                                                                                                        13;
                                                                                                                                                                                                                                                                                                                                                                                         Length 249;
                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Crohn's disease,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         be used to
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Mus musculus

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RESULT 60
ADZ67773
ID ADZ677XX
XX ADZ677
XX ADZ67
XX Tumos
KW Cytoi
XX Cytoi
XX W020i
XX B020i
XX FN W020i
XX FN W1600
XX FN 18-0
XX PR 16-0
PR 18-0
XX PA (ZYM
XX PN FOX
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Best Local S
Matches 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 are associated with carcinomas. The sequences are useful for: (i) for screening drug candidates; (ii) for screening of bioactive agent capable of binding to Carcinoma Associated Protein (CAP); (iii) for screening of bioactive agent capable of modulating the activity of CAP; (iv) for a bioactive agent capable of modulating the activity of CAP; (iv) for evaluating the effect of a candidate carcinoma drug; (vi) for diagnosing carcinoma; (vii) for inhibiting the activity of CAP; (vii) for treating carcinoma; (viii) for neutralizing the effect of CAP; (iv) as a biochip; (x) for diagnosing carcinoma or a propensity to carcinoma; and (xi) for determining Carcinoma associated (CA) gene copy number. In addition, the CA genes are useful as DNA vaccines and the CAP are useful as markers of carcinoma including lymphoma. The present sequence is one such CAP. Note: This patent is an equivalent to basic patent US2002182586AI, for which no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-MAR-2002; 2002US-00087192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Recombinant nucleic acid useful for diagnosis comprises a nucleotide sequence.
 Fox BA,
                                                             16-OCT-2003;
18-OCT-2004;
                                                                                                         18-OCT-2004; 2004WO-US034375
                                                                                                                                                                   WO2005037865-A2
                                                                                                                                                                                                Mus musculus
                                                                                                                                                                                                                              cytostatic.
                                                                                                                                                                                                                                                                         Mouse tumor necrosis factor receptor TACI
                                                                                                                                                                                                                                                                                                      14-JUL-2005
                                                                                                                                                                                                                                                                                                                                   ADZ67773;
                                                                                                                                                                                                                                                                                                                                                               ADZ67773 standard; protein; 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-328604/31
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                               ( OMYZ)
                                                                                                                                                                                                                                            Tumor necrosis factor receptor; TACI; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SAGR-) SAGRES DISCOVERY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    present invention relates to novel DNA and protein sequences which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5; SEQ ID NO 1647; Opp; English.
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12; Conservative
                               ZYMOGENETICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           249 AA;
 Holloway JL,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CSQNEYFDSLLHACIFCQLRCSSNTPPLTCQRYC 41
                                                             2003US-0511698P
2004US-0619552P
                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         published
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                                INC.
 Sheppard
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Od
 Dillon
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   SR;
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                                                                                                                                                                                                                                            neoplasm; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and treatment of carcinoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 249;
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RESULT 61
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AID SORB
AID SORB
AID AEA55
AC AEA55
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The present invention relates to a method of characterizing proteins present in the plasma membrane (PM) of live cells. The proteins of the invention are useful in identifying diagnostic markers and potential
                                                                                                                                                                           Characterizing proteins present in a plasma membrane of a cell, useful in identifying diagnostic markers and potential drugs, comprises subjecting a cell to a protease treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The
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                                                                                                                         Claim
                                                                                                                                                                                                                                                                                                                                                                                                Linial M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-NOV-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   tumor necrosis factor receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Plasma membrane; diagnosis; therapeutic; cancer; cytostatic; neoplasm;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tumor necrosis factor receptor superfamily member 13b protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-AUG-2005
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                                                                                                                                                                                                                                                                                                        REFSEQ;
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                                                                                                                         SEQ ID NO 54; 196pp; English
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Best Local S
Matches 12
Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                        topical, subcuraneous, intraperitoneal, intravenous, intrapleural, intraocular, intraarterial, or rectal route. The transgenic mouse and associated methods are useful for identifying potential therapeutic agents (e.g. SPC6 agonists and antagonists) for treating conditions associated with SPC6. The identified agents are potentially useful for treating diseases such as schizophrenia. The mouse is useful for investigating the biological roles of SPC6. This is the amino acid sequence of mouse SPC6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      neuroleptic; subtilisin-like protein convertase 6 agonist; subtilisin-like protein convertase 6 antagonist; transgenic; subtilisin-like protein convertase 6; SPC6; schizophrenia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    drugs. The invention is useful for identifying drugs for diagnosing and treating disorders such as cancer which are associated with abnormal representation of cell surface proteins. The present sequence is mouse tumor necrosis factor receptor superfamily member 13b protein.
                                                                                                                                                                                                                                                                                                                                                                                                     The invention describes a transgenic mouse (I) comprising a disruption an subtilisin-like protein convertase (SPC6) gene, where there is no native expression of an endogenous SPC6 gene. The therapeutic agent is administered by inhalation or insufflation or or risk therapeutic agent and administered by inhalation or insufflation or insufflation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New transgenic mouse useful in methods for identifying potential therapeutic agents for treating a variety of diseases, including schizophrenia, comprises a disruption in a subtilisin-like protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mouse subtilisin-like protein convertase 6 (SPC6).
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                                                                                                                          Sequence 1548 AA;
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24-SEP-2001;
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                                    24.9%;
34.7%;
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Pred. No. 3.3;
8; Mismatches
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                                    Score 70.5;
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                           CC expressed in kidney (renal cell adenocarcinoma), head and neck tissue, CC heart, multiple sclerosis lesions, cervix, pooled germ cell tumours, CC uterus tumour, adenocarcinoma, retina II and stomach. The subtilisin CC protein is a long membrane bound protein which shows 96% identity to like repeats in the C-terminal portion of the protein. It has one CC transmembrane domain, also in the C-terminal portion, suggesting that the protein is localised on the outside of the membrane. The subtilase CC polynucleotide and polypeptide are useful for identifying test compounds, which may act as agonists or antagonists at the receptor site and which C can be regulated to provide therapeutic effects. Vectors comprising the C coplynucleotide are useful for modulating the activity of subtilase in a CC disease, e.g. a central nervous system disorder, a gastrointestinal CC disorder, cancer, a cardiovascular disorder, a genitourinary disorder, or CC diabetes. In particular, these diseases are Alzheimer's disease, CC parkinson's disease, pain, colon tumour, pre-oesophageal dysphagia, CC gastritis, ulcers, urinary incontinence, lupus nephritis, renal CC congestive heart failure, myocardial infarction, ischaemia, hypertensive congestive heart failure, myocardial infarction, ischaemia, hypertensive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Subtilase; chromosome 9q21.13; EST; expressed sequence tag; kidney; renal cell; head; neck; heart; multiple sclerosis; lesion; cervix; pooled germ cell; tumour; uterus; adenocarcinoma; retina II; stomach; proprotein convertase subtilisin; furin-like repeat; Alzheimer's disease; Parkinson's disease; pain; colon; pelvic pain; pre-oesophageal dysphagia; gastritis; ulcers; urinary incontinence; lupus nephritis; renal transplant rejection; myocardial infarction; erectile dysfunction; ovary; lung; thyroid; carcinoma; lymphoma; Kaposi's sarcoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New subtilase-encoding polynucleotide and its encoded protein, useful for identifying modulators of subtilase activity, and in gene therapy for treating e.g. Alzhelmer's disease, cancers, congestive heart failure or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 122-26; 135pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This sequence shows a murine subtilase. The homologous human subtilase coding sequence is located on chromosome 9q21.13. Related EST's are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JAN-2002; 2002US-0347876P.
29-JUL-2002; 2002US-0398734P.
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Best Local
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                                                        The invention relates to fusion proteins comprising transmembrane activator and calcium modulator and cyclophilin ligand-interactor (TACI) receptor group that binds tumour necrosis factor-like protein (ZTNF)2 or ZTNF4; and an immunoglobulin group comprising a constant region of an immunoglobulin. The invention is used to manufacture a medicament for inhibiting the proliferation of tumour cells in a mammalian subject. The composition comprising the fusion protein may also be used in treating autoimmune diseases (e.g. systemic lupus erythematosus, multiple sclerosis, diabetes mellitus, rheumatoid arthritis and asthma), renal diseases (e.g. glomerulonephritis), bronchitis, inflammation, graft rejection, anaemia and septic shock. The fusion proteins are also used in gene therapy. The present sequence is human TACI-FC5 fusion protein comprising murine 26-10 VH signal peptide. This sequence is used in the invention. (Updated on 23-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Transmembrane activator; calcium modulator; nephrotropic; antibacterial; TRCI; tumour necrosis factor-like protein; ZTNP2; ZTNP4; immunoglobulin; anaemia; gene therapy; cytostatic; antiinflammatory; immunosuppressive; glomerulonephritis; asthma; bronchitis; graft rejection; septic shock; dermatological; neuroprotective; cyclophilin ligand-interactor; human; autoimmune disease; systemic lupus crythematosus; multiple sclerosis; diabetes mellitus; rheumatoid arthritis; renal disease; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
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28-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Transmembrane activator and calcium modulator and cyclophilin ligand-
interactor (TACI)-immunoglobulin fusion protein, for treating cancer
diabetes, comprises a TACI receptor group and an immunoglobulin group
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-MAY-2001; 2001US-0293343P
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17; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gross JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Col 137-138; 71pp;
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(first entry)
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34.7%;
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Pred. No. 37;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A
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Sequence 332

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Best Loc Matches

Local

Similarity

Conservative

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Score 68.5; D Pred. No. 52; 2; Mismatches

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Length 1569;

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Query Match

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Best Local
                             The present invention relates to novel mucin-like proteins (I) and their coding sequences. The mucin-like proteins and coding sequences are useful in the therapy or in the prevention of a disease when the increase in the mucin-like activity of a polypeptide is needed e.g. bacterial infections, allergic conjunctivitis, otitis, tissue injury, epithelial wounding, inflammatory bowel disease, Crohn's disease, small adenocarcinoma of the lung, lung cancer, gastric intestinal metaplasia, chronic cholecystitis, or skin cancer. The present sequence is a mucin glycoprotein which was used in a sequence alignment with the mucin-like proteins of the invention.
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Sequence 1569
                                                                                                                                                                                                                                                                           New isolated mucin-like polypeptides, useful for diagnosing or treating, e.g. bacterial infections, allergic asthma, inflammation, allergic conjunctivitis, otitis, inflammatory bowel disease, Crohn's disease, lung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human mucin
                                                                                                                                                                                                                                Example
                                                                                                                                                                                                                                                                                                                                                GENBANK; AAQ82434.
                                                                                                                                                                                                                                                                                                                                                                   WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                  (ISTF ) ARS APPLIED RES SYSTEMS HOLDING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-FEB-2003; 2003US-0445217P
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                                                                                                                                                                                                                                                                                                                                                                  2004-604324/58
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12;
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                                                                                                                                                                                                                                2; Fig 1; 170pp; English
                                                                                                                                                                                                                                                                 or skin cancer.
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   A
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0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 68.5;
Pred. No. 10;
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RESULT 66
ADR18914
ID ADR18
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ADR18914
AC ADR189
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AC ADR18
DT 04-NC
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ADR18
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RESULT 67
ADR18913
ID ADR18
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein. The mucin-like proteins and coding sequences are useful in the therapy or in the prevention of a disease when the increase in the mucin-like activity of a polypeptide is needed e.g. bacterial infections, allergic asthma, inflammation, respiratory syncytial virus (RSV)-induced disease, allergic conjunctivitis, otitis, tissue injury, epithelial wounding, inflammatory bowel disease, Crohn's disease, small adenocarcinoma of the lung, lung cancer, gastric intestinal metaplasia, chronic cholecystitis, or skin cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention relates to novel mucin-like proteins (I) and their coding sequences. The present sequence is one such human mucin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New isolated mucin-like polypeptides, useful for diagnosing or treating, e.g. bacterial infections, allergic asthma, inflammation, allergic conjunctivitis, otitis, inflammatory bowel disease, Crohn's disease, lun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 otitis; tissue injury; epithelial wounding; inflammatory bowel disease; Crohn's disease; small adenocarcinoma of the lung; lung cancer; gastric intestinal metaplasia; chronic cholecystitis; skin cancer.
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04-NOV-2004
                                                            ADR18913;
                                                                                                                     ADR18913 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2240 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          conjunctivitis, otitis, cancer, or skin cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-FEB-2003; 2003US-0445217P
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                                                                                                                                                                                                                                                                          1161
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                bacterial infections, allergic aunctivitis, otitis, inflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sapiens
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                                                                                                                                                                                                                                                                                                                                8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQ 38
                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 4; 170pp; English.
                                                                                                                                                                                                                                                                          CSQDEYFDHEEGVCVPCM-----
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                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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45.2%;
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Pred. No. 76;
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                                                                                                                                                                                                                                                                       PPTTPQ 1184
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RESULT 68
ADR18915
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Best Local S
Matches 14
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                             His-tagged Human mucin-like protein, SCS0004, variant SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New isolated mucin-like polypeptides, useful for diagnosing or treating, e.g. bacterial infections, allergic asthma, inflammation, allergic conjunctivitis, otitis, inflammatory bowel disease, Crohn's disease, luncancer, or skin cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI;
                                                             04-NOV-2004
                                                                                                                                                                                                                                                                                                                                 Sequence 2258 AA;
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Antibacterial; Virucide; Antiallergic; Antiasthmatic;
                                                                                            ADR18915
                                                                                                                        ADR18915 standard;
                                                                                                                                                                                                                                                                                                                                                              chronic cholecystitis, or skin cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bienkowska J,
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                                                                                                                                                                                                      CSQDEYFDHEEGVCVPCM-----
                                                                                                                                                                                                                                                                     Conservative
                                                             (first entry)
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                                                                                                                        protein;
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                                                                                                                            2264
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Pred. No. 77;
                                                                                                                                                                                                                                                                     Mismatches
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 Antiinflammatory;
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Best Local
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                                                    dermatological; neuroprotective; nootropic; immunomodulator; metabolic; antidiabetic; analgesic; nephrotropic; osteopathic; cytostatic; fever; antiparkinsonian; antipsoriatic; vasotropic; antibacterial; asthma; AGP-3 receptor; tumour necrosis factor ligand family; AGP-3 receptor; mesenteric lymph node; AGP-3R; inflammatory disease; immune disorder; rheumatoid arthritis; graft-versus-host disease; Crohn's disease; pancreatitis; amyotrophic lateral sclerosis; ALS; Alzheimer's disease; milleners; glomerulonephritis; inflammatory bowel disease; ischaemia; milleners; glomerulonephritis; inflammatory bowel disease; ischaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New isolated mucin-like polypeptides, useful for diagnosing or treating, e.g. bacterial infections, allergic asthma, inflammation, allergic conjunctivitis, otitis, inflammatory bowel disease, Crohn's disease, lun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ophthalmological; Auditory; Vulnerary; Gastrointestinal; Cytostatic; Gene Therapy; Mucin-like protesin; human; mucin; bacterial infection; allergic conjunctivitis; otitis; tissue injury; epithelial wounding; inflammatory bowel disease; Crohn's disease; small adenocarcinoma of the lung; lung cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                        Human AGP-3 receptor cysteine rich repeat region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU10951 standard; protein;
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                                                                                                                                                                                                                                                                                                                                  AGP-3; antiinflammatory; antiarthritic; immunosuppressive;
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45.2%;
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Pred. No. 77;
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RESULT 70
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              used to treat diseases characterised by inflammatory processes or deregulated immune response such as rheumatoid arthritis, graft-versushost disease, Crohn's disease, lupus, etc. (II) is also useful in the production of hybridoma cells which are derived from B cells, which involves treating the hybridoma cells with (II). (II) is useful in the treatment of inflammatory conditions of joints, e.g., rheumatoid arthritis, osteoarthritis, etc. (II), its agonists or antagonists are useful for treating acute pancreatitis, amyotrophic lateral sclerosis (ALS), Alzheimer's disease, asthma, atherosclerosis, cachexia/anorexia, diabetes, fever, glomerulonephritis, inflammatory bowel disease, multip.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (tumour necrosis factor ligand family member) related protein (II) attached to a vehicle protein. (I) is useful for modulating AGP-3-related activity in mesenteric lymph nodes (MLN) of a mammal. (II) is useful in assays to identify cells and tissues that express AGP-3R or proteins related to AGP-3R-related protein and for identifying compounds (agonists or antagonists) that interact with AGP-3R proteins. (II) is also useful for identifying intracellular proteins that interact with the respective cytoplasmic domains by yeast two-hybrid screening process. (II) is cytoplasmic domains by yeast two-hybrid screening process. (II) is involved in B cell growth, survival and activation particularly in lymph node, spleen, and peyer's patches. AGP-3R agonists and antagonists identified using (II) are used for modulating B cell response and are
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                         sclerosis, osteoporosis, Parkinson's disease, pain, reperfusion injury septic shock, etc. The nucleic acids are also useful for developing transgenic animals expressing (II), which are useful for producing the polypeptides and for the study of in vivo biological activity. The present sequence represents the amino acid sequence of human AGP-3 cysteine-rich repeat region #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Fig 18; 124pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Composition, useful for identifying modulator of receptor for treating asthma and glomerulonephritis, comprises AGP-3 (tumor necrosis factor ligand family member) receptor and encoding nucleic acids.
                     Human tumor necrosis factor receptor TACI Cys-rich domain.
                                                                 14-JUL-2005
                                                                                                      ADZ67772;
                                                                                                                                             ADZ67772 standard; protein; 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a composition (I) comprising AGP-3 receptor (tumour necrosis factor ligand family member) related protein (II)
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                                                                                                                                                                                                                                                                                                                                                           Similarity
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                                                                                                                                                                                                                                                       CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS
                                                                                                                                                                                                                                                                                          CSQNEYFDSLLHACIPCOLRCSSNTPPLTCQRYCNA 43
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                                                                 (first
                                                                 entry)
                                                                                                                                                                                                                                                                                                                                                         23.9%;
                                                                                                                                                                                                                                                                                                                                   Score 67.5; D
Pred. No. 1.3;
9; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                             BB
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                                                                                                                                                                                                                                                                                                                                                                               Length 37;
                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   reperfusion injury,
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                                                                                                                                                                                                                                                                                                                                   Gaps
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cytostatic.

Tumor necrosis factor receptor; TACI; cancer; neoplasm; diagnosis;

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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ztnfr14 polynucleotides ADZ67753 and polypeptides ADZ67754, expression vectors and antibodies. Ztnfr14 polynucleotides are used in claimed methods for detecting a genetic abnormality in a patient and for detecting a cancer in a patient. Recombinant ztnfr14 polypeptide, optionally conjugated to a toxin, is used in a claimed method of killing cancer cells. Ztnfr14 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides, polynucleotides and antibodies may also be used in methods that modulate tumor growth, metastasis, and immunity such as separating resting from stimulated inmune cells. The present sequence is that of the Cys-rich domain of human TNFR TACI ADZ6771. This sequence was compared with that of ztnfr14 human TNFR TACI ADZ67771. This sequence was compared with that of ztnfr14 human TNFR TACI ADZ67771. This sequence was compared with that of ztnfr14 human transfer that of the cys-rich domain of the compared with that of ztnfr14 human transfer that of the cys-rich domain of the cys-ri
                                                                                                                      Human; transmembrane activator and intracellular CAML interactor; TACI; cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNP; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermatitis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 48 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2005-315682/32
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18-OCT-2004; 2004US-0619552P
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                                                                                                                                                                                                                                                                                                                                        Human TACI cysteine rich extracellular region
                                                                                                                                                                                                                                                                                                                                                                                               12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE15500 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 20; 132pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-OCT-2004; 2004WO-US034375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2005037865-A2
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                                                                                                      rheumatoid arthritis; atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the identification of ztnfr14 as a member of the TNFR family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         invention provides novel tumor necrosis factor receptor (TNFR)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZYMOGENETICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Holloway JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     necrosis factor receptor (TNFR) polypeptides, useful as ligands, and for modulating tumor growth, metastasis an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       as separating resting from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  peptide; 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sheppard
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 67.5;
Pred. No. 1
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RESULT 72
AAW75785
ID AAW75
XX AAW75
XX AAW75
XX AAW75
XX Humar
XX TACI;
KW TACI;
KW Calci
KW Lymph
KW
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Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              lymphoproliferative disorders, one or more solid tumours such as lung, gastrointestinal, pancreatic or prostate tumour. APRIL, BCMA and TACI antagonists are useful for treating inflammation and immune function diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic dermatitis, respiratory allergic disease (asthma, hypersensitivity lung disease), drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence is human TACI cysteine-rich extracellular region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     specific binding partner for APRIL (G70, a tumour necrosis factor-TNF family ligand), having the consensus region of TACI, BCMA, or the TACI/
BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell and/or BCMA in a mammal which is useful for treating B-cell or T-cell
                                                                                                                              calcium signal-modulating cyclophilin ligand; human; lymphocyte surface receptor; human; B-cell; B lymphocyte; infection; cancer; rheumatoid arthritis; autoimmune disease; glomerulonephritis; immunosuppressive; graft versus host disease; transplant rejection; therapy; signal transduction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-MAY-2000; 2000US-0204039P
27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAW75785;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 59
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-066686/09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-MAY-2001; 2001WO-US015567
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                                                                                                                                                                                                                                                                                                           TACI; transmembrane activator and CAML-interactor;
                                                                                                                                                                                                                                                                                                                                                                       Human lymphocyte surface receptor extracellular domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW75785 standard; protein; 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein (BCMA) activity in a mammal. The method comprises administering specific binding partner for APRIL (G70, a tumour necrosis factor-TNF
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                                                                                                                                                                                                                                                                                                                                                                                                                                             18-JAN-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 67.5; D
Pred. No. 2.2;
9; Mismatches
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Best Local :
                                                                                                    cytostatic; B cell maturation protein; BCMA; tumour necrosis factor; TNF; lymphoproliferative disorder; tumour; lung; gastrointestinal; pancreatic; prostate; inflammation; immune disorder; diarrhoea; psoriasis; colitis; drug allergy; dermaticis; pneumonia; asthma; inflammatory bowel disease; Crohn's disease; scleroderma; autoimmune disease; multiple sclerosis; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer; human immunodeficiency virus; HIV; systemic lupus erythematosus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        that stimulates the activation of the cell by inducing the binding of the C-terminal portion (see AAW15784) of TACI to the N-terminal domain of CAML. A recombinant form of the extracellular portion of TACI acts as a dominant-negative or blocking agent and acts to suppress the immune system. It can be used to treat or prevent autoimmune disease, graft rejection or graft versus host disease. The extracellular region is also used in a claimed method for identifying a ligand for TACI, in which binding of a candidate molecule is determined by detecting cellular activation of the AP-1, CAMP or NF-KB pathway, of NF-AT transcription factor, or of NF-AT dependent transcription
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                extracellular, domain of novel human transmembrane activator and CAMI-
interactor (TACI) protein (see AM75783). TACI is a lymphocyte receptor
protein that is involved in the calcium activation pathway. It is
normally present in B-lymphocytes, and to a much lesser extent in
immature T-lymphocytes, and can therefore be targetted to specifically
regulate B cell responses without affecting T cell activity. The
extracellular domain of TACI functions as a binding site for a ligand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated transmembrane activator protein - used to develop products for treating e.g. infections, cancers, autoimmune and inflammatory conditions, transplant rejection or graft-versus-host disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      03-MAR-1997;
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                                                                                                                                                                                                                                                                                                                                                                       AAE15494 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-SEP-1998
                                                     Homo sapiens
                                                                                          rheumatoid
                                                                                                                                                                                                                     Human; transmembrane activator and intracellular CAML interactor; TACI;
                                                                                                                                                                                                                                                             Human TACI extracellular domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 8; Page 73; 89pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SJUD-) ST JUDE CHILDREN'S RES HOSPITAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     is the amino acid sequence of the N-terminal, i.e. the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
                                                                                          arthritis; atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                  (first entry)
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); Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 67.5;
Pred. No. 6
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WO200187979-A2

Synthetic

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                                                                                                                                                                                                                                                                                                                                                  RESULT 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CC The invention relates to a method for inhibiting TACI (transmembrane cactivator and intracellular CAMI interactor) and/or B cell maturation comprotein (BCMA) activity in a mammal. The method comprises administering a specific binding partner for ARRIL (670, a tumour necrosis factor-TNF camily ligand), having the consensus region of TACI, BCMA, or the TACI/CC BCMA extracellular consensus sequence, but not the extracellular region of TACI or BCMA. The method is useful for inhibiting activity of TACI/CC and/or BCMA in a mammal which is useful for treating B-cell or T-cell CC lymphoproliferative disorders, one or more solid tumours such as lung, CC gastrointestinal, pancreatic or prostate tumour. APRIL BCMA and TACI/CC diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic CC diseases, drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple salerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, CC with leucocyte infiltration of the skin or organs. The present sequence is human TACI protein extracellular domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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27-JUN-2000;
14-MAY-2001;
                                                               antiarthritic; antirheumatic; immunosuppressive; antiarteriosclerotic; cytoscatic; gene therapy; inflammatory disease; rheumatoid arthritis; inflammatory bowel disease; autoimmune disease; atherosclerosis; osteoporosis; allograft rejection; cancer; human; heat shock binding protein; HSBP; fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI;
                                                                                                                                                      trimerising polypeptide; homotrimeric protein complex; antiinfl
                                                                                                                                                                        transmembrane activator and CAML interactor; TACI; extracellular domain;
                                                                                                                                                                                                          Human TACI-HSBP fragment SEQ ID NO:18.
                                                                                                                                                                                                                                                                               ADN03188;
                                                                                                                                                                                                                                                                                                             ADN03188 standard; protein; 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 166 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Fig 12A; 94pp; English.
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2001US-00214591
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Pred. No. 6.5;
9; Mismatches
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WO2004033486-A2

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CC atherosclerosis, osteoporosis, allograft rejection and cancer. The present invention fragment, which is used in the exemplification of the present invention fragment, which is used in the exemplification of
                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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Best Local
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                                                                                                         Human;
TACI; 1
                                                                                                                                                               Human TACI
                                                                                                                                                                                                  19-NOV-2001
                                                                                                                                                                                                                                                                         AAE09244 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 171
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                 WO200160397-A1
                                                                                                                                                                                                                                       AAE09244
                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2004-364855/34
                                                                                  ; TNF; tumour necrosis factor; TALL-1; APRIL; TNF receptor; TNFR; BCMA; therapy; cancer; leukaemia; myeloma; lymphoma; psoriasis mune disease; rheumatoid arthritis; multiple sclerosis; psoriasis
                                                                                                                                                                                                                                                                                                                                                                                                                                         11;
                                                                                                                                                                                                                                                                                                                                                                  6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
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                                                                                                                                                             splice
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                                                                                                                                                                                                (first entry)
                                                                                                                                                             variant protein.
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Pred. No. 6.7;
9; Mismatches
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Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to methods of using one or more agonists or antagonists to modulate the activity of the members of TNF (cumour necrosis factor) especially TALL-1, ARRIL and TNF receptor (TNFR) e.g. TACI or BCMA. The method is useful for treating pathological conditions or diseases associated with increased TALL-1 and APRIL expression or activity TALL-1 and APRIL antagonists are used to block the interaction between APRIL and TALL-1 with TACI or BCMA. They are useful for treating a mammal suffering from cancer such as leukaemia, lymphoma, myeloma, cancers of lung and colon and autoimmune diseases e.g. rheumatoid arthritis, multiple sclerosis, psoriasis and lupus erythematosus. The present sequence is human TACI splice variant protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 265 AA;
                                                 Dixit V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; TACI; BR3; receptor; tumour necrosis factor ligand; TNF ligand; TALL-1; April; systemic lupus erythematosus.
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                                                                                                                                                            03-AUG-2001; 2001US-0310114P
30-APR-2002; 2002US-0377171P
                                                                                                                                                                                                                                                 24-JUL-2002; 2002WO-US023487.
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                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amino acid sequence of an alternatively spliced human TACI receptor.
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22-AUG-2000; 2000US-0226986P
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                                                                                                        (GETH ) GENENTECH INC
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                                                 Grewal I,
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                                                 Ridgway J,
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WPI; 2003-256560/25

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RESULT 77
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AC ADW03
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DT 24-M
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Best Local
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05-JUN-2003;
06-JUN-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            B-lymphocyte; b-cell lymphoma; autoimmune disease; immunosuppressive; non-hodgkin lymphoma; hodgkins disease; cytostatic; chronic lymphocytic leukemia; hairy cell leukemia; rheumatoid arthritis; antiarthritic; antirheumatic; systemic lupus erythematosus; wegener granulomatosis; antialergic; antiinflammatory; vasotropic; inflammatory bowel disease; gastrointestinal-gen.; idiopathic thrombocytopenic purpura; hemostatic; multiple sclerosis; asthma; antiasthmatic; psoriasis; antipsoriatic; myasthenia gravis; muscular-gen.; neuroprotective; vasculitis; diabetes; antidiabetic; glomerulonephritis; nephrotropic; TACI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polypeptide. The specification also describes BR3 polypeptides. TACI and BR3 are receptors. Tumour necrosis factor (TNP) family ligands TALL-1 at April bind to the TACI receptor, while TNF family ligands TALL-1 also binds to BR3 receptor. The TACI and BR3 receptor nucleic acid is useful for preparing a composition for treating systemic lupus erythematosus
The invention comprises a method of depleting B Cells from a mixed population of cells, the method involves contacting the mixed population of cells with BLyS antagonist (e.g. an immunoadhesin) and a CD20 binding antibody (e.g. hu2H7.v16). The method of the invention is useful for
                                                                                                                                                             Disclosure; Fig
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                                                                                                                                                                                                                                                                                                                                       WPI; 2005-058069/06.
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                                                                                                                                                                                                                B cells from a mixed population of cells by con h a BLyS antagonist and a CD20 binding antibody, B cell malignancies and autoimmune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fig 8; 153pp;
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2003US-0476481P.
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                                                                                                                                                             8; 114pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     INC.
                                                                                                                                                                                                                                                                                                                                                                                               Martin
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Pred. No. 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               dermatological; neuroprotective; nootropic; immunomodulator; metabolic; antidiabetic; analgesic; nephrotropic; osteopathic; cytostatic; fever; antiparkinsonian; antipsoriatic; vasotropic; antibacterial; asthma; AGP-3 receptor; tumour necrosis factor ligand family; AGP-3 receptor; mesenteric lymph node; AGP-3R; inflammatory disease; immune disorder; rheumatoid arthritis; graft-versus-host disease; Crohn's disease; pancreatitis; amyotrophic lateral solerosis; ALS, Alzheimer's disease; diabetes; glomerulonephritis; inflammatory bowel disease; ischaemia; multiple sclerosis; Parkinson's disease; transgenic animal.
                           The invention relates to a composition (I) comprising AGP-3 receptor (tumour necrosis factor ligand family member) related protein (II) attached to a vehicle protein. (I) is useful for modulating AGP-3-related activity in mesenteric lymph nodes (MLN) of a mammal. (II) is useful in assays to identify cells and tissues that express AGP-3R or proteins related to AGP-3R-related protein and for identifying compounds (agonists or antagonists) that interact with AGP-3R proteins. (II) is also useful for identifying intracellular proteins that interact with the respective cytoplasmic domains by yeast two-hybrid screening process. (II) is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           treating B cell malignancies and autoimmune disorders, such as: non-Hodgkin's lymphoma, Hodgkin's disease, follicular center cell lymphomas, lymphocytic leukemia, Hairy cell leukemia, rheumatoid arthritis, systemi lupus erythematosus, Wegener's disease, inflammatory bowel disease, idiopathic thrombocycopenic purpura, multiple sclerosis, asthma, psoriasis, IgA nephropathy, myasthenia gravis, vasculitis, diabetes and glomerulonephritis. The present amino acid sequence represents a human
                                                                                                                                                                                                                                                                                                                                                                                                                        Composition, useful for identifying modulator of receptor for treating asthma and glomerulonephritis, comprises AGP-3 (tumor necrosis factor ligand family member) receptor and encoding nucleic acids.
                                                                                                                                                                                                                                                                                                                                                        Claim 1; Fig 18; 124pp; English.
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Pred. No. 11;
9; Mismatches
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sclerosis, osteoporosis, Parkinson's disease, pain, reperfusion injury, septic shock, etc. The nucleic acids are also useful for developing transgenic animals expressing (II), which are useful for producing the polypeptides and for the study of in vivo biological activity. The present sequence represents the amino acid sequence of human AGP-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               node, spleen, and Peyer's patches. AGP-3R agonists and antagonists identified using (II) are used for modulating B cell response and are used to treat diseases characterised by inflammatory processes or
The invention provides novel tumor necrosis factor receptor (TNFR) ztnfrl4 polynucleotides ADZ67753 and polypeptides ADZ67754, expression
                                                                                                                                                                          detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                           16-OCT-2003; 2003US-0511698P
18-OCT-2004; 2004US-0619552P
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                                                                                     Disclosure; SEQ ID NO 19; 132pp; English
                                                                                                                                                                                                            New tumor
                                                                                                                                                                                                                                                                   WPI; 2005-315682/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18-OCT-2004; 2004WO-US034375
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                                                                                                                                                                                                                                                                                                                                                                                 (ZYMO ) ZYMOGENETICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSQNEYFDSLLHACIFCQLRCSSNTPPLTCQRYCNA 43
                                                                                                                                                                                                                                                                                                                       Holloway JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS 68
                                                                                                                                               necrosis factor receptor (TNFR) polypeptides, useful as
ligands, and for modulating tumor growth, metastasis and
such as separating resting from stimulated immune cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₽
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                                                                                                                                            separating resting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                 INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23.9%;
                                                                                                                                                                                                                                                                                                                    Sheppard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Cys-rich domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        receptor TACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 67.5;
Pred. No. 12;
                                                                                                                                                                                                                                                                                                                       PO,
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                                                                                                                                                                                                                                                                                                                          Dillon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15;
                                                                                                                                                                                                                                                                                                                          SR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <u>5</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 291;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1;
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RESULT 80
AAW75783
ID AAW75783
XX AAW757
XX AAW75
XX TACI;
XW TACI;
XW TACI;
XW Calci
XW Calci
XW Lympk
XW Limmur
XW AW71
PM WP1
PM WP1
PM WP1
PM WP1
PM N-P
XW N-P

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Best Local Similarity
Matches 11; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 vectors and antibodies. Ztnfr14 polynucleotides are used in claimed methods for detecting a genetic abnormality in a patient and for detecting a cancer in a patient. Recombinant ztnf14 polypeptide, optionally conjugated to a toxin, is used in a claimed method of killing cancer cells. Ztnfr14 polypeptides can be used to detect ligands, agonists and antagonists. The polypeptides, polynucleotides and antibodies may also be used in methods that modulate tumor growth, metastasis, and immunity such as separating resting from stimulated immune cells. The present sequence is that of human TNFR TACI. This sequence was compared with that of ztnfr14 in the identification of ztnfr14 as a member of the TNFR family.
                              New isolated transmembrane activator protein - used to develop products for treating e.g. infections, cancers, autoimmune and inflammatory conditions, transplant rejection or graft-versus-host disease.
                                                                                                                                                   N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                              03-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                calcium signal-modulating cyclophilin ligand; human; lymphocyte; infection; lymphocyte surface receptor; human; B-cell; B lymphocyte; infection; cancer; rheumatoid arthritis; autoimmune disease; glomerulonephritis; immunosuppressive; graft versus host disease; transplant rejection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human lymphocyte surface receptor TACI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW75783;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW75783 standard; protein; 293 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 292 AA;
                                                                                                                                                                                                                                                                                                                                                          03-MAR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9839361-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TACI; transmembrane activator and CAML-interactor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           therapy
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                                                                                                                                                1998-506346/43
DB; AAV57328.
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                                                                                                                                                                                                                                                                                                ST JUDE CHILDREN'S RES HOSPITAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA
                                                                                                                                                                                                                                        Von
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                        Bulow
                                                                                                                                                                                                                                                                                                                                                          97US-00810572
                                                                                                                                                                                                                                                                                                                                                                                                                 98WO-US004270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /label= Cytoplasmic_domain
/note= "Claim 6"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /label= Transmembrane_domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      note= "TNFR_NGFR motif"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /label= Extracellular_domain
/note= "Claim 8"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9;
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Pred. No. 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
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Claim

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RESULT 81
AAB36312
ID AAB36
XX AAB36
AC AAB36
XX AAB36
XX AAB36
XX AAB36
XX Human
XX Human
XX Human
XX Homo
DE Homo
XX Homo
ON Homo
XX Homo
DI C1-04
XX HOM
PR 26-M2
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PR 26-M2
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PR 26-M2
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PR 10-M2
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PR
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This is the amino acid sequence of novel human transmembrane activator and CAML-interactor (TACI) protein, a lymphocyte receptor protein that is involved in the calcium activation pathway. TACI is normally present in B lymphocytes, and to a much lesser extent in immature T-lymphocytes, and can therefore be targetted to specifically regulate B cell responses without affecting T cell activity. TACI cDNA (seeV57328) was isolated from a B-lymphocyte cDNA library using a yeast two-hybrid assay. Also claimed are the C-terminal (see AAW75784) and N-terminal (see AAW75785)
                                                       useful for producing TR: diagnosis of autoimmune
                                                          Nucleic acid encoding a neutrokine-alpha receptor (NAR) such as useful for producing TR17 protein which is used in the treatment diagnosis of autoimmune and immunodeficiency disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic;
hepatotropic; antidiabetic; antiinflammatory; antiulcer; cardiant;
ophthalmological; gene therapy; immunodeficiency disorder; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                      26-MAR-1999;
10-MAR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-MAR-2000; 2000WO-US007966.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; neutrokine-alpha binding protein; NAR protein; TR17; cytostatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human neutrokine-alpha binding protein TR17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-FEB-2001
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                                                                                                                                                                                                                                                                                                                                               (HUMA-) HUMAN GENOME SCI INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     293
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
                                                                                                                                                                                                                                                                                 Ullrich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disorder.
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                                                                                                                                                                                                                                                                                 Baker K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  293
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Pred. No. 12;
9; Mismatches
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Claim 1; Fig 1; 398pp; English

The present sequence represents a human transmembrane activator and CAML-interactor (TACI) receptor. TACI is a tumour necrosis factor (TNF) receptor. The extracellular domains of BR43x2 (an isoform of TACI), TACI or BCMA (a related B cell protein) receptor contain a cysteine rich

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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ztnf4 activity; antibody production; autoimmune disease; amyloidosis; systemic lupus erythematosus; myasthenia gravis; multiple sclerosis; rheumatoid arthritis; asthma; bronchitis; emphysema; pyelonephritis; end stage renal failure; glomerulonephritis; vasculitis; nephritis; renal neoplasm; multiple myeloma; lymphoma; light chain neuropathy; immune response; immunosuppression; graft rejection; joint pain; graft versus host disease; inflammation; swelling; anaemia; septic shock; insulin dependent diabetes mellitus; Crohn's disease; hypertension; renal artery stenosis; occlusion; cholesterol; renal emboli.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present sequence represents the human neutrokine-alpha binding (NAR) protein designated TR17. TR17 has cytostatic, immunosuppressive, noutropic, neuroprotective, antiviral, antiallergic, hepatotropic, antidiabetic, antinflammatory, antiulcer, cardiant and ophthalmological activities and can be used in gene therapy. The TR17 protein and antibodies are useful for treating and diagnosing immunodeficiency disorders and autoimmune disorders. The TR17 polypeptides, polynucleotides, antibodies, agonists and/or antagonists are used for treating various other diseases defined in the specification and as research tools for studying the phenotypic effects that result from inhibiting TR17/TR17 ligand interactions on various cell types
                                                                                                             Inhibiting ztnf4 activity in a mammal, to treat autoimmune diseases, renal disease, graft versus host disease, and inflammation, comprise administering a BR43x2, TACI or BCMA extracellular domain polypeptid
                                                                                Disclosure; Page 149-150; 175pp; English.
                                                                                                                                                                                                                                                                                                          07-JAN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A transmembrane activator and
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Pred. No. 12;
9; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 light chain neuropathy, amyloidosis, moderating immune response, immunosuppression, graft rejection, graft versus host disease, inflammation, insulin dependent diabetes mellitus, Crohn's disease, joint pain, swelling, anaemia, or septic shock. BR43x2, TACI, and BCMA polypeptides, fusions, antibodies, agonists or antagonists can be used to treat hypertension, renal artery stenosis, or occlusion, and cholesterol
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TACI; |
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The invention relates to methods of using one or more agonists or antagonists to modulate the activity of the members of TNF (tumour necrosis factor) especially TALL-1, APRIL and TNF receptor (TNFR) and TALL and TNF receptor TACI or BCMA. The method is useful for treating pathological conditions to the second of the second
                                                                                                                                                                                                                                                                                                                      Inhibiting or neutralizing TALL-1 or APRIL polypeptide biological activity, for treating autoimmune disorders and cancer, comprises exposing the cells to TALL-1 or APRIL polypeptide agonists or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB; AAD15901.
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TNFR) e.g.

The antagonist or agonist of TACI/TACI-L an intracellular signalling cascade Antagonists of TACI/TACI-L complex are

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RESULT 84
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                           The present sequence is a human tumour necrosis factor receptor (TACI) protein. TACI (Transmembrane activator and casisum-signal modulating cyclophilin ligand (CAML)-interactor) forms a complex with neutrokine alpha polypeptide (TACI-Ligand). The antagonist or agonist of TACI/TAC complex is useful for modulating an intracellular signalling cascade
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tumour necrosis factor receptor; TNF; autoimmune disease; diabetes; calcium-signal modulating cyclophilin ligand; CAML; viral infection; neutrokine alpha polypeptide; TACI-Ligand; TACI-L; cytostatic; therapy; neuroprotective; antidiabetic; antiviral; antiinflammatory; tumour; antiarthritic; antirheumatic; immunosuppressive; multiple sclerosis; rheumatoid arthritis; graft rejection; inflammation; cell proliferation; cell death; immunoglobulin E-mediated allergic reaction; IgE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human tumour necrosis factor receptor (TACI) protein.
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                                                                                                                                                                                                       Claim 10; Fig 1b; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                      N-PSDB;
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                                                                                                                                                                                                                                                                                                                                                                                                                 WPI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-APR-2000; 2000WO-US010282
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                                                                                                                                                                                                                                                              of new interactions between tumor necrosis TACI ligands to screen candidate molecules antagonist interactions which are used for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   293
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                domain of TACI-L"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /label= Extracellular_dom
/note= "Binds with amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SM
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Pred. No. 12;
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                                                                                                                                                                                                                                                              factor receptors (TACI) for determining agonist treating inflammation.
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RESULT 85
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human transmembrane activator CAML interactor protein; TACI; cytostatic; cell proliferation; tumour; vulnerary; renal cell cancer; mastocytoma; Kaposi's sarcoma; breast; ovarian carcinoma; rectal; throat; melanoma; colon; bladder; mammary adenocarcinoma; gastrointestinal; hyperplasia; pharyngeal squamous cell; stomach; cellular hyperproliferation; pannus; scleroderma; rheumatoid arthritis; scarring; liver; lung fibrosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    used to inhibit the interaction between TACI and TACI-L for therapeutic purposes to treat tumour and tumour metastasis and to combat various autoimmune diseases e.g. multiple sclerosis and diabetes, as well as other disorders, such as viral infection, rheumatoid arthritis, graft rejection, and immunoglobulin (Ig) E-mediated allergic reactions and inflammation. The interaction is used to study cellular processes associated with tumour necrosis factor (TNF) receptors such as immune regulation, cell proliferation, cell death and inflammatory responses. The interaction between the extracellular region of TACI and TACI-L can be used to further develop understanding of which cell types TACI-L acts
                                                                                                 Treating mammal for condition associated with undesired cell proliferation e.g., solid tumor or reducing solid tumor size located in mammal comprises administering transmembrane activator CAML interactor
                                                                                                                                                                 N-PSDB;
                                                                                                                                                                                                           Ambrose C,
                                                                                                                                                                                                                                                                                    27-APR-2000; 2000US-0199946P
                                                                                                                                                                                                                                                                                                                  27-APR-2001; 2001WO-US040626
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   uterine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human transmembrane activator CAML interactor protein (TACI)
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                                                                                                                                                                             2002-062027/08
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APOTECH R & D
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                                                       Fig 1; 42pp; English.
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                                                                                                                                                                                                           Thompson
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/label=
                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
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                                                                                                                                                                                                                                         SA
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                                                                                                                                                                                                           Schneider P,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 67.5; DB 4;
Pred. No. 12;
9; Mismatches 15;
                                                                                                                                                                                                           Rennert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         68
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This sequence represents the human transmembrane interactor protein (TACI). The invention relates

membrane activator CAML relates to treating a mammal

for

disease and lymphoma

a condition associated with undesired cell proliferation (e.g. a solid

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RESULT 80
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; Ztnfr12; tumour necrosis factor receptor; cytostatic; immunosuppressive; dermatological, antiinflammatory; antidabetic; neuroprotective; antirheumatic; antiarthritic; antiasthmatic; nephrotropic; hypotensive; gene therapy; B lymphocyte; tumour; autoimmune disorder; systemic lupus erythematosus; myasthenia gravis; multiple sclerosis; insulin dependent diabetes mellitus; asthma; rheumatoid arthritis; bronchitis; emphysema; renal disease; lymphoma; glomerulonephritis; vasculitis; chronic lymphoid leukaemia; nephritis; pyelonephritis; renal neoplasm; multiple myeloma; amyloidosis; light chain neuropathy; hypertension; large vessel disease; lymphoma; multiple myeloma; amyloidosis; light chain neuropathy; hypertension; large vessel disease;
                                                                                                                                                                                                     07-NOV-2000; 2000US-0246449P
20-DEC-2000; 2000US-0257131P
28-JUN-2001; 2001US-0301715P
29-AUG-2001; 2001US-0315565P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 293 AA;
                                   Novel isolated human tumor necrosis factor receptor polypeptide, Ztnfr 12, useful for treating autoimmune disorders, emphysema, e
                                                                                            WPI; 2002-508212/54.
                                                                                                                               Gross JA,
                                                                                                                                                                                                                                                                                                 05-NOV-2001;
                                                                                                                                                                                                                                                                                                                                      16-MAY-2002.
                                                                                                                                                                                                                                                                                                                                                                            WO200238766-A2
                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  graft-versus
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                                                                                                                                                                    (ZYMO ) ZYMOGENETICS INC.
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                   12, useful for tr
failure or renal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TACI receptor related protein SEQ ID
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                                                                                                                               Xu W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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                                                                                                                               Henne RM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                    disease;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  graft rejection; Crohn's disease
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Pred. No. 12;
                                                                                                                               Grant
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Disclosure;

Page 136-137; 154pp; English

invention describes a human tumour necrosis factor receptor This immunocation immun

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RESULT 87
AAU99512
ID AAU99
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Best Local
                                                                                                                                                                                      14-MAR-1996;
12-MAR-1997;
15-JUN-2000;
23-OCT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; tumour necrosis factor; TNF delta; pulmonary system disorder; immunoglobulin production; B-cell proliferation; immune system disorder; autoimmune disease; cancer; lymphoproliferative disorder; pain; microbial infection; parasitic infection; bone disease; atherosclerosis; cardiovascular disorder; neurodegenerative disease; wound healing; graft versus host disease; haematopoietic cell disorder; nephritis; transmembrane activator and CAML-interactor; TACI; TNF epsilon; IgG;
                                                                                                                                                                                                                                                                                                                                              14-JUN-2001; 2001US-00879919
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human TACI-IgG Fc
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                                                                                                                                                                                                                                                                                                                                                                                                             30-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU99512 standard;
                                                                                                                                                        13-DEC-2000;
(HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             34
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                                                    96US-0016812P.
97US-00815783,
2000US-0211537P,
2000US-0241952P,
2000US-0257824875P,
2000US-0276248P,
2001US-0277978P,
2001US-02793499P.
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Α,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23.9%;
SCI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   portion.
INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 67.5; D
Pred. No. 12;
9; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 293;
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AAE28962
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Alzheimer's disease, Parkinson's disease), graft versus host disease, wound healing, haematopoietic cell disorders (e.g. anaemia), inflammatory disorders (e.g. asthma), diseases or disorders associated with various mucous membranes of the body (e.g. mucositis), and disorders of the pulmonary system. The proteins are also useful as a vaccine adjuvant that enhances immune responsiveness to specific antigens. The present sequence for human transmembrane activator and CAML-interactor (TACI)-immunoglobulin G (IgG) Fc fusion protein is used in the examples of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequences encoding them. The proteins are useful for modulating immunoglobulin production or for modulating proliferation of B-cells. The sequences of the invention are useful for treating diseases or disorders of the immune system. Such disorders include autoimmune diseases (e.g. systemic lupus erythematosus (SLE), acquired immunodeficiency syndrome (AIDS)), cancers of the immune system (e.g. chronic lymphocytic leukaemia (CLL), multiple myeloma, non-Hodgkin's lymphoma or Hodgkin's disease), lymphoproliferative disorders, microbial infections (e.g. viral, proposed the station of the second treating disorders, microbial infections (e.g. viral)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ű
                                                                                                                                                                                                                                Human; tumour; B-cell maturation antigen; transmembrane activator; calcium-modulator; cyclophilin ligand-interactor; TACI; gene therapy; neoplasm; chronic lymphocytic leukaemia; lymphoproliferative disease; non-Hodgkin's lymphoma; light chain gammopathy; inflammation; asthma;
                                                                                                                                                                                                                                                                                                                         Human TACI protein
                                                                                                                                                                                                                                                                                                                                                          27-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 293 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   bacterial), parasitic infections, nephritis, bone disease (e.g. osteoporosis), atherosclerosis, pain, cardiovascular disorders (e.g. myocardial infarction, stroke), neurodegenerative diseases (e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human multimeric tumor necrosis factor delta or epsilon protein useful for treating disease or disorder of immune system such as
                WO200266516-A2
                                                                Region
                                                                                                 Region
                                                                                                                                   Domain
                                                                                                                                                                                     Homo
                                                                                                                                                                                                                     BCMA; multiple
                                                                                                                                                                                                                                                                                                                                                                                          AAE28962
                                                                                                                                                                                                                                                                                                                                                                                                                            AAE28962 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                autoimmune disease, immunodeficiency, or cancer of immune system
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    O
                                                                                                                                                                                   sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (TNF) delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                invention relates to the isolation of human tumour necrosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Page 125; 143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gentz
                                                                                                                                                                                                                     myeloma.
                                                                                 /note= "Cysteine rich
                                                                                                                                                 Location/Qualifiers
                                                 note= "Cysteine rich region"
                                                                                                                   note=
                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and TNF epsilon
                                                                                                                                   . 154
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                                                                                                 . 66
                                                                   .104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23.9%;
                                                                                                                   "Extracellular domain; antigenic epitope"
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                                                                                                                                                                                                                                                                                                                                                                                                                            293
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 67.5;
Pred. No. 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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                                                                                 region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and
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Best Local
                                                                                                                                                                                                     cerebroprotective; nootropic; neuroprotective; hepatotropic; Immunoglobulin production; B cell proliferation; immunosuppressive; HIV; human immunodeficiency virus; autoimmune disease; immunodeficiency; sjogren's syndrome; systemic lupus erythematosus; Hodgkin's disease; common variable immunodeficiency; CVID; non-Hodgkin's lymphoma; AIDS; acquired immunodeficiency virus; cancer; multiple myeloma; CLL; chronic lymphocytic leukaemia; lymphoproliferative disorder; bacterial infection; viral infection; osteoporosis; atherosclerosis; bacterial infection; viral infection; osteoporosis; atherosclerosis; pain; cardiovascular disorder; stroke; allergy; Alzheimer's disease; neurodegenerative disorder; stroke; allergy; Alzheimer's disease; cardiomyopathy; diabetes; asthma; psoriasis; glomerulonephritis; cardiomyopathy; diabetes; asthma; psoriasis; glomerulonephritis; ulcerative colitis; angiogenesis; septic shock; wound healing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to the manufacture of a composition for inhibiting the proliferation of tumour cells. The method involves using an antibody component that binds both the B-cell maturation antigen (BCMA) and the transmembrane activator and calcium-modulator and cyclophilin ligand-interactor (TACI). BCMA and TACI binding antibody compositions are useful for inhibiting proliferation of tumour cells, particularly inhibiting proliferation of tumour cells, particularly inhibiting production or a disorder consisting of neoplasm, chronic lymphocytic production or a disorder consisting of neoplasm, chronic lymphocytic and the constitution of the production of a disorder consisting of neoplasm, chronic lymphocytic and the constitution of the plasm.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU75408 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 293 AA;
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WO200196528-A2
                                                                                                                                                                              tumour necrosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tumour necrosis factor; TNF; cytostatic; arteriosclerosis; analgesic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tumour necrosis factor (TNF) receptor TACI-Fc fusion.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 leukaemia, multiple myeloma, non-Hodgkin's lymphoma, post-transplantation
lymphoproliferative disease or light chain gammopathy or inflammation
e.g. astLma. The invention is also useful in gene therapy. The present is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-FEB-2001;
12-APR-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2001US-0270274P.
2001US-0283447P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   293 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 67.5; DB 5;
Pred. No. 12;
9; Mismatches 15;
                                                                                                                                                                              immunoglobulin; IgG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
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BXAXAXU

12-MAR-2002 AAU09900;

(first entry)

Human AGP-3 related protein receptor.

AAU09900 RESULT 90

AAU09900 standard;

protein;

293

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34

8 CSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNA

CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS

68

Matches

Similarity

23.9%;

Score 67.5; Pred. No. 12; Mismatches

DB 5; 15;

Length 293; Indels

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Gaps

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Conservative

9;

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CC are useful for modulating immunoglobulin production or proliferation of B CC cells. (I) or (II) is useful: for treating a disease or disorder of the CC immune system, preferably an autoimmune disease (e.g. Sjogren's syndrome, CC systemic lupus erythematosus or common variable immunodeficiency syndrome, CC cancer of the immune system (e.g. Hodgkin's disease, non-Hodgkin's CC cancer of the immune system (e.g. Hodgkin's disease, non-Hodgkin's CC lymphoma, multiple myeloma and chronic lymphocytic leukaemia (CLL); in CC the diagnosis and treatment or prevention of cancer, lymphoproliferative disorder, bacterial and viral infections, osteoporosis, atherosclerosis, CC pain, cardiovascular disorders (e.g. stroke), allergy, inflammation, CC neurodegenerative disease (e.g. Alzheimer's disease), liver disease (e.g. cirrhosis), cardiomyopathy, diabetes, asthma, psoriasis, septic shock, CC giomerulonephritis, ulcerative colitis, atteriosclerosis; for promoting angiogenesis and wound healing; as a diagnostic research reagent; as an agent to target and kill cells expressing a TNFdelta and/or TNFepsilon CC receptor; in apoptosis of transformed cell lines; mediation of cell activation and proliferation; and as an immunogen to produce (II). (II) is useful to purify, detect and target (I), for measuring levels of (I) in biological samples, for immunophenotyping samples, and to treat, CC inhibit or prevent diseases and disorders associated with aberrant CC expression and/or activity of (I). This is the amino acid sequence of a fusion protein of tumour necrosis factor receptor TACI and immunoglobulin (I) in protein of tumour necrosis factor receptor TACI and immunoglobulin (I) in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-JUN-2000;
23-OCT-2000;
13-DEC-2000;
Sequence 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel multimeric human tumor necrosis factor delta or epsilon protein useful for treating cancer, immune system disorders, infection, cardiovascular disorders, liver disease, cardiomyopathy, diabetes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ř
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-MAR-2001;
23-MAR-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       delta or epsilon protein (I). (I) or a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 29; Page 341-342; 344pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   psoriasis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention describes a multimeric human tumour necrosis factor (TNF) as or epsilon protein (I). (I) or a composition containing them (II)
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CC cytoplasmic domains by yeast two-hybrid screening process. (II) is convolved in B cell growth, survival and activation particularly in lymph conditions and appears and antagonists and antagonists and antagonists and antagonists are used for modulating B cell response and are considered to treat diseases characterised by inflammatory processes or const disease, Crohn's disease, hupus, etc. (II) is also useful in the constraint of hybridoma cells which are derived from B cells, which convolves treating the hybridoma cells which are derived from B cells, which convolves treating the hybridoma cells with (II). (II) is useful in the convolves treating the hybridoma cells with a cell convolves treating the hybridoma cells with the convolves treating acute pancreatities, anyotrophic lateral sclerosis carthritis, osteoarthritis, etc. (II), its agonists or antagonists are useful for treating acute pancreatitis, amyotrophic lateral sclerosis convolves, pancreatitis, anyotrophic lateral sclerosis. (ALS), Alzheimer's disease, asthma, atherosclerosis, cachexia/anorexia, collabetes, fever, glomerulonephritis, inflammatory bowel disease, collabetes, fever, glomerulonephritis, inflammatory bowel disease, multiple sclerosis, osteoporosis, parkinson's disease, pain, reperfusion injury, collapsed shock, etc. The nucleic acids are also useful for developing transgenic animals expressing (II), which are useful for producing the polypeptides and for the study of in vivo biological activity. The present reference represents the amino acid sequence of human AGP-3
    Query Match
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Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to a composition (I) comprising AGP-3 receptor (tumour necrosis factor ligand family member) related protein (II) attached to a vehicle protein. (I) is useful for modulating AGP-3-related activity in mesenteric lymph nodes (MLN) of a mammal. (II) is useful in assays to identify cells and tissues that express AGP-3R or proteins related to AGP-3R related protein and for identifying compounds (agonists or antagonists) that interact with AGP-3R proteins. (II) is also useful for identifying intracellular proteins that interact with the respective
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-049441/06
N-PSDB; AAS18558.
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                                                                                                                                                                                         Sequence 293
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                                                Similarity
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cc protein (BCMA) activity in a mammal. The method comprises administering a specific binding partner for APRIL (G70, a tumour necrosis factor-TNF Cf family ligand), having the consensus region of TACI, BCMA, or the TACI/CC BCMA extracellular consensus sequence, but not the extracellular region CC of TACI or BCMA. The method is useful for inhibiting activity of TACI and/or BCMA in a mammal which is useful for treating B-cell or T-cell CC lymphoproliferative disorders, one or more solid tumours such as lung, CC gastrointestinal, pancreatic or prostate tumour. APRIL BCMA and TACI attagonists are useful for treating inflammation and immune function CC diseases such as diarrhoea, psoriasis, allergies, pneumonia, atopic dermatitis, respiratory allergic disease (asthma, hypersensitivity lung CC disease), drug and insect sting allergy, inflammatory bowel disease (Crohn's disease, colitis), scleroderma, autoimmune disease (multiple sclerosis, rheumatoid arthritis, systemic lupus erythematosus), fungal, bacterial, protozoal and viral infections (HIV), atherosclerosis, cancer with leucocyte infiltration of the skin or organs. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-MAY-2000; 2000US-0204039P
27-JUN-2000; 2000US-0214591P
14-MAY-2001; 2001US-00214591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Inhibiting activity of B cell maturation protein and/or transmembrane activator and intracellular cyclophilin ligand interactor, by administering a binding partner for APRIL, a tumor necrosis factor far
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Theill LE, Yu G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Domain
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human transmembrane activator and intracellular CAML interactor protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a method for inhibiting TACI (transmembrane activator and intracellular CAML interactor) and/or B cell maturation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Fig 12A; 94pp; English.
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167. .:
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systemic lipus erythematosus, B cell lymphoproliferative disorder, kappa chain deficiency, neuritis, restenosis and short limbed dwarfism, cancer, Crohn's disease, bronchitis, otitis media, sepsis, meningitis, ulcerative colitis and AIDS. The polypeptide is also useful for increasing or
                                                                                                                                                                                 The invention relates to a tumour necrosis factor (TNF) receptor polypeptide, TR17, and the polynucleotide encoding it. The polypeptide and polynucleotide are used for treating an immunodeficiency or an autoimmune condition. The disorders include haemolytic anaemia, dermatitis, myocarditis, glomerulonephritis, allergic encephalomyelitis, rheumatic heart disease, polyendocrinopathies, autoimmune pulmonary inflammation, multiple sclerosis, diabetes mellitus, asthma, vitiligo,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tumor necrosis factor receptor polypeptide, useful e.g. for immunodeficiency, comprises a specific amino acid sequence, optionally a heterologous polypeptide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       myocarditis; glomerulonephritis; allergic encephalomyelitis; vitiligo; rheumatic heart disease; polyendocrinopathy; diabetes mellitus; neurit autoimmune pulmonary inflammation; multiple sclerosis; asthma; hepatit cirrhosis; Sjogren's syndrome; rheumatoid arthritis; restenosis; AIDS; autoimmune thyroiditis; reticular dysgenesis; ataxia-telangiectasia; evetamic libris controller all lumphorolitis; ataxia-telangiectasia;
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                                                                                                                        hepatitis, cirrhosis, Sjogren's syndrome, rheumatoid arthritis, autoimmune thyroiditis, reticular dysgenesis, ataxia-telangiect
                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Fig 1; 134pp; English.
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26-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; tumour necrosis factor receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human tumour necrosis factor (TNF) receptor TR17 polypeptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Baker KP;
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ilarity 30.6%;
Conservative
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2000US-00533822.
2000US-0235991P.
2000US-0254874P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        autoimmune condition;
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Pred. No. 1:
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                                                                                                                              dysgenesis, ataxia-telangiectasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        haemolytic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TNF; TR17; receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        dermatitis;
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RESULT 93
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Transmembrane activator; calcium modulator; nephrotropic; antibacterial; TRCI; tumour necrosis factor-like protein; ZTWP2; ZTWP4; immunoglobulin; anaemia; gene therapy; cytostatic; antiinflammatory; immunosuppressive; glomerulonephritis; asthma; bronchitis; graft rejection; septic shock; dermatological; neuroprotective; cyclophilin ligand-interactor; human; autoimmune disease; systemic lupus erythematosus; multiple sclerosis; autoimmune disease; systemic lupus erythematosus; multiple sclerosis;
 composition comprising the fusion protein may also be used in autoimmune diseases (e.g. systemic lupus erythematosus, multip sclerosis, diabetes mellitus, rheumatoid arthritis and asthmal
                                                                                                                                                                                   Transmembrane activator and calcium modulator and cyclophilin ligand-interactor (TACI)-immunoglobulin fusion protein, for treating cancer or diabetes, comprises a TACI receptor group and an immunoglobulin group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              inhibiting B-cell proliferation and immunoglobulin production and killing a cell that expresses the TR17 polypeptide on its cell sur This sequence represents the human TR17 polypeptide
autoimmune diseases
sclerosis, diabetes
                                                                            The invention relates to fusion proteins comprising transmembrane activator and calcium modulator and cyclophilin ligand-interactor (TAC receptor group that binds tumour necrosis factor-like protein (ZTNF) 2 ZTNF4; and an immunoglobulin group comprising a constant region of an
                                                                                                                                                                                                                                                                                                                                                          24-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                        20-MAY-2002; 2002WO-US015910.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diabetes mellitus; rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human TACI protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Region
                                                                                                                                                                                                                                                                                                                             (ZYMO ) ZYMOGENETICS
                                            immunoglobulin. The invention is used to manufacture a medicament inhibiting the proliferation of tumour cells in a mammalian subjec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local
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                                                                                                                                                         Col 87-88;
                                                                                                                                                                                                                                                                                              Gross JA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note=
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                                                                                                                                                         English
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Pred. No. 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   arthritis; renal disease; inflammation
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                    multiple
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                                                                                                                (TACI)
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rejection, diseases (e

a.g. glomerulonephritis),
anaemia and septic shock

septic shock.

bronchitis, inflammation, The fusion proteins are

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therapy.

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present sequence is human TACI protein

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RESULT 94
ABP60551
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Best Local :
                                                                                                                                                                                                The invention relates to a novel antibody or its fragment, which immunospecifically binds tumour necrosis factor Delta (TNP-delta/APRIL) The antibody of the invention has dermatological, immunosuppressive, antianaemic, antianaemic, cytostatic, antianaemic,
                                                                                               antiallergic, antiasthmatic, neuroprotective, ophthalmological, tuberculostatic, antidiabetic, antipsoriatic, anti-HIV, antiarteriosclerotic, vasotropic, thyromimetic, and haemostatic activity. The antibody or its fragment are useful for treating, preventing or ameliorating cancer such as Non-Hodgkin's lymphoma or multiple myeloma in human, disease or disorder such as autoimmune disease, and graft versus
                                                                                                                                                                                                                                                                                                                                   Novel isolated antibody that immunospecifically binds tumor necrosis factor delta, useful for treating, preventing or ameliorating Non-Hodgkin's lymphoma, multiple myeloma, rheumatoid arthritis or Sjogren'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dermatological; immunosuppressive; antiinflammatory; antirheumatic; antiarthritic; cytostatic; antianaemic; antiallergic; antiasthmatic; neuroprotective; ophthalmological; tuberculostatic; antidiabetic; antipsoriatic; anti-HIV; antiarteriosclerotic; vasotropic; thyromimetic; haemostatic; cancer; autoimmune disease; graft versus host disease; GVHD inflammatory disorder; proliferative disorder; single chain antibody; antibody; human; TACI; tumour necrosis factor.
               host disease (GVHD). The autoimmune disease is systemic lupus erythematosus, rheumatoid arthritis or Sjogren's syndrome. The antibod is useful for detecting, diagnosing, prognosing, treating, preventing ameliorating a disease or disorder associated with aberrant APRIL or APRIL receptor expression or aberrant function of APRIL or APRIL
                                                                                                                                                                                                                                                                                     Disclosure; Page 220-221; 225pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22-MAY-2002; 2002WO-US016106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200294192-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APRIL; scrv;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human tumour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABP60551 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 293
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The disease or disorders includes autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         necrosis factor TACI.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 67.5; Pred. No. 12; 9; Mismatches
                                                                                                                                                                                                                                                                                       English
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 inflammatory
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                                                                   The antibody
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RESULT 95
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Query Match
Best Local S
Matches 11
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                                                                                                                                                                       The present sequence represents a human TACI polypeptide. The specification also describes BR3 polypeptides. TACI and BR3 are receptors. Tumour necrosis factor [TMF] family ligands TALL-1 also binds to bind to the TACI receptor, while TNFF family ligands TALL-1 also binds to BR3 receptor. The TACI and BR3 receptor nucleic acid is useful for preparing a composition for treating systemic lupus erythematosus
                                                                                                                     Sequence 293
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                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Fig 1A-B; 153pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                            New nucleic acid encoding a TACIs or BR3 polypeptide, useful for preparing a composition for treating systemic lupus erythematosu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB; ABZ68870.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dixit V,
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30-APR-2002; 2002US-0377171P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; TACI; BR3; receptor; tumour necrosis factor ligand; TNF ligand;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amino acid sequence
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Score 67.5; D
Pred. No. 12;
9; Mismatches
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                                                          Length
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RESULT 96
AAO29592
                                                 the composition comprising the agonist or antagonist, is useful for CC treating or preventing obesity-related diseases, e.g. hyperlipidaemia, CC atherosclerosis, insulin resistance, diabetes, stroke or hypertension. CC The agonist is useful for reducing body mass and maintaining weight loss by: lowering circulating levels or concentrations of free fatty acids, CC glucose and/or triglycerides; stimulating muscle lipid or free fatty acid coxidation; increasing leptin uptake in a liver cell; reducing the cc postprandial increase in plasma free fatty acids or triglycerides, CC particularly following a high fat meal; reducing or eliminating ketone body production, particularly following a high fat meal; noreasing CC glucose uptake in skeletal muscle cells, adipose cells, neuronal cells, cred blood cells or brain; reducing or preventing the postprandial crincrease in plasma glucose following a high fat meal; or crease in plasma glucose following a high rearbohydrate meal; or crease in plasma glucose following a high carbohydrate meal; or crease in plasma glucose following a high carbohydrate meal; or consecuted with excessive weight loss, creating or preventing disorders associated with excessive weight loss, chronic inflammatory disease.

CC related weight loss, or anorexia. The present sequence is human DITACIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Metabolic disorder; DITACIN; obesity-related disease; hyperlipidaemia; antidepressant; chronic inflammatory disease; cachexia; immunomodulator; glucose uptake; insulin sensitivity; anorexia; cerebroprotective; AIDS; atherosclerosis; insulin resistance; diabetes; stroke; hypertension;
                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to agonist or antagonist of DITACIN useful in the treatment of metabolic disorders. The antagonist or agonist of DITACIN or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New agonist and antagonist of DITACIN activity, useful for preventing or treating obesity-related diseases (e.g. hyperlipidemia or stroke), or increasing body mass (e.g. by treating excessive weight loss, cachexia),
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 33-34; 37pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lucas J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-NOV-2001; 2001US-0332361P
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Sequence 293 AA;

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RESULT 97
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Best Local
                   and the polynucleotides encoding them. The sequences of the invention are useful in research, biological, clinical and therapeutic purposes. In particular, these are used in diagnosing, preventing, treating or ameliorating dystunctions or diseases associated with aberrant endogenous activity of TNF delta or epsilon, such as septic shock, inflammation, cancer, cerebral malaria, activation of HIV virus, bone resorption, rheumatoid arthritis, cachexia, Grave's disease, diabetes, hepatitis, asthma, cardiovascular disorders, infections, allergies, Alzheimer's disease, Parkinson's disease and nephritis. The sequences may also be used for chromosome identification or genetic mapping. This sequence represents a human TNF-related polypeptide of the invention.
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12-OCT-2001;
26-FEB-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                         New human tumor necrosis factor (TNF) delta and epsilon, useful for diagnosing, preventing or treating dysfunctions or diseases associated with aberrant activity of TNF delta or epsilon, e.g. septic shock,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (YUGG/)
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                                                                                                                                                                                                                                                                                                                                                                     Example
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23-OCT-2000;
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2001US-00879919.
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9; Mismatches
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                                                          The invention relates to an isolated nucleic acid molecule consisting of CC a sequence that is at least 90% identical to a sequence encoding Human CC tumour necrosis factor receptor (TR20) polypeptide (appearing as CC ADP77377) or its fragments, complement, and optionally a heterologous nucleic acid sequence that is preferentially expressed in mature B cells. CC Also included are a method of making a recombinant vector by inserting CC the nucleic acid molecule into a vector, a recombinant vector produced by the method, a method of making a recombinant host cell by introducing the recombinant vector into a cell, a recombinant host cell by culturing CC method and a recombinant method of producing a polypeptide by culturing CC expressed and recovering the polypeptide. The nucleic acid molecules are CC upregulated cell proliferation, or inhibition of apoptosis, e.g. cancer, CC autoimmune diseases, viral infections, inflammation, graft versus-host CC disease, acute graft rejection, chronic graft rejection, AlDS, CC neurodegenerative disorders, myelodysplastic syndromes, ischaemic injury, to include for comparison with propo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; tumour necrosis factor receptor; TR20; receptor; gene therapy; B cell; cell survival; upregulated cell proliferation; apoptosis; cancer; autoimmune disease; viral infection; inflammation; graft-versus-host disease; acute graft rejection; formonic graft rejection; AIDS; neurodegenerative disorder; myelodysplastic syndromes; ischaemic injury; toxin-induced liver disease; myelodysplastic syndromes; ischaemic injury; toxin-induced liver disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New TR20 nucleic acid molecules, useful for treating diseases associated with increased cell survival, upregulated cell proliferation, or inhibition of appotosis, e.g. cancer, autoimmune diseases, viral infections, inflammation.
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Best Local (
                                                                                                                                                                                                                                                                                      are associated with carcinomas. The sequences are useful for: (1) for screening drug candidates; (ii) for screening of bioactive agent capable of a bioactive agent capable of modulating the activity of CAP; (1) for evaluating the effect of a candidate carcinoma drug; (v) for diagnosing carcinoma; (vi) for inhibiting the activity of CAP; (vi) for treating carcinoma; (viii) for neutralizing the effect of CAP; (vi) as a biochip; (x) for diagnosing carcinoma or a propensity to carcinoma; and (xi) for determining Carcinoma Associated (CA) gene copy number. In addition, the CAP genes are useful as DNA vaccines and the CAP are useful as markers of carcinoma including lymphoma. The present sequence is one such CAP. Note: This patent is an equivalent to basic patent US2002182586A1, for which no sequence data was published
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention relates to novel DNA and protein sequences which
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Recombinant nucleic acid useful for diagnosis and treatment of carcinoma
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   CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS
                                                        CSQNEYFDSLLHACIPCOLRCSSNTPPLTCORYCNA
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Best Local Similarity 30.6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New anti-TACI receptor monoclonal antibody, useful for diagnosing and treating pathological conditions associated with tumor necrosis factor, e.g. cancer or immune-related disease, such as rheumatoid arthritis or psoriasis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CAML interactor receptor; TACI; Cytostatic; Antiinflammatory; Dermatological; Immunosuppressive; Antirheumatic; Antiarthritic; Antidiabetic; Neuroprotective; Antiasthmatic; Antiallergic; Anti-HIV; Antibacterial; antiparasitic; systemic lupus erythematosus;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEQ ID NO 3; 110pp; English.
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                                                                                                                                                                                           Sequence 293 AA;
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                                                                CPEEQYWDPLLGTCMSCKTICNHQS-QRTCAAFCRS 68
                                                                                              CSQNEYFDSLLHACIPCOLRCSSNTPPLTCQRYCNA 43
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